THE

Board of Trade Journal.

Vol. XCI.] December 30, 1915. [No. 996

COMMERCIAL INTELLIGENCE BRANCH of the BOARD OF TRADE,
73, Basinghall Street, London, E.C.

TELEGRAMS { **"Advantage, Stock, London."** Code :—**5th Edition, A.B.C.** TELEPHONE { **London Wall 4713 (5 lines).**

32, Cheapside, London, E.C.

(*British Industries Fair and Foreign Samples Section.*)

TELEGRAMS { **"Shoforsamp, London."** Code :—**5th Edition, A.B.C.** } TELEPHONE: **City 2323.**

The objects and work of the Branch are described on p. 920.

☛ The "British Industries Fair" (see p. 872) will be held in the buildings of the Victoria and Albert Museum, South Kensington, London, S.W., from 21st February to 3rd March, 1916; address—Director, Commercial Intelligence Branch (British Industries Fair), 32, Cheapside, E.C.; Telephone, **City 2323.**

Attention is called to the following samples which are on view in the Enquiry Room of the Branch at 73, Basinghall Street, E.C.:—

Samples.	Reference in "Board of Trade Journal." Date.	Page.
Paper or wood-pulp twine of German make	23rd Dec., 1915	854
Native Hardwoods from Brazil	16th " "	737
Tanning Extract from Japan	2nd " "	588
"Saddlebag" Cloth—New Zealand enquiry	14th Oct., "	75
Spiral Steel Corset Busks of German make—Lyons enquiry	" " "	80
Samples of German Cotton Prints and Sarongs sold in Philippine Islands	30th Sept., "	946
Trimming embroidery and insertion of German make sold in Brazil	23rd " "	877

Attention is also called to the following notices:—
Register of firms in the United Kingdom who may desire to receive **Confidential Information** relative to openings for trade 871
List of the **more important Articles** on trade subjects contained in **Foreign and Colonial Publications,** &c. received at the Commercial Intelligence Branch 915
List of **H.M. Trade Commissioners and of the Trade Correspondents** of the Commercial Intelligence Branch 917–18
List of **British Chambers of Commerce** in Foreign Countries 921

OPENINGS FOR BRITISH TRADE.

UNITED KINGDOM.

New Sources of Supply *Required.*

Since the outbreak of the war, applications have been received in the Commercial Intelligence Branch of the Board of Trade from a large number of firms in all parts of the United Kingdom who wish to get

Openings for British Trade.

UNITED KINGDOM—*continued.*

into communication with United Kingdom manufacturers or producers of various classes of goods which have previously been obtained from Germany and Austria-Hungary.

Applications from (A) firms at home, and (B) firms abroad, for the names of manufacturers or producers of the following (amongst other) articles have been recorded during the past week:—

A.

Boxes—
- Dice boxes, in cardboard, wood, or other material.
- Round boxes of wood-pulp with metal tops and bottoms and lever lids.

Chemicals—
- Calcined bone ash.
- Luminous calcium sulphide.
- Sodium sulphide, 60 per cent.

Clog soles, and irons.

Dice, bone, cheap.

Fancy goods, for cheap bazaar trade.

Glass tubes, for hypodermic syringes.

Jars, stone.

Jewellery, imitation, for cheap bazaar trade.

Leatherboard.

Margarine, free from animal fat.

Milk powder.

Needles, knitting machine.

Oil, crude, for use with semi-Diesel engines.

Pins, curling.

Press buttons for purses, &c.

Quoits, rubber, cheap.

Stationery, in penny packet lines.

Talc sheets.

Toys, for cheap bazaar trade.

Velveteen.

Wooden articles, for cheap bazaar trade.

B.

Knives, pocket (France).

Paper, coloured tissue, for artificial flowers (Spain).

United Kingdom firms interested in any of the above-mentioned enquiries are invited to write to the Director of the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C., with a view to being placed in communication with the enquirers.

* * * * *

☛ NOTE.—*In reading the following notices of possible openings for United Kingdom goods abroad, regard should be had to the list of articles, the exportation of which from the United Kingdom is prohibited under various Proclamations and Orders-in-Council—see the Supplement to the "Board of Trade Journal" of 28th October; also pp. 300-1 of the "Journal" of 4th November; pp. 523-5 of the "Journal" of 25th November; pp. 740-1 of the "Journal" of 16th December; pp. 807-8 of the "Journal" of 23rd December; and p. 873 of this issue.*

Regard should also be had to the Royal Proclamation (see p. 952 of the "Board of Trade Journal" of 30th September) prohibiting exports to China and Siam unless consigned to authorised persons or bodies of persons—see notice on p. 449 of the "Journal" of 18th Novem-

Openings for British Trade.

UNITED KINGDOM—*continued.*

ber, and to the notice on p. 876 *of this issue regarding enquiries as to consignees in Persia, Morocco, Liberia, or Portuguese East Africa.*

Attention is also drawn to the notices published from time to time in the "Board of Trade Journal" relative to the issue of licences to export certain goods, viz.:—

Coal and coke, pp. 445-6, 13*th May; pp.* 666-7, 3*rd June; pp.* 363-4 *and p.* 366, 5*th August; p.* 430, 12*th August; p.* 595, 26*th August; p.* 23, 7*th October; p.* 172, 21*st October; and p.* 375, 11*th November.*

Cotton yarn and thread, raw cotton and cotton waste, p. 89, 8*th July.*

†Goods contracted for with Allied Governments, p. 368, 5*th August.*

Goods for purely industrial purposes in Allied Countries, p. 368, 5*th August.*

†Leather for French Army boots, p. 24, 1*st July.*

Rough diamonds, p. 366, 5*th August; and pp.* 747-8, 9*th September.*

Rubber, p. 22, 1*st April.*

Tin, tin chloride and tin ore, pp. 815-6, 25*th March.*

Wool and woollen goods, p. 811 *of the "Journal" of* 23*rd December.*

Crossbred and similar wool, p. 885, 23*rd September.*

Crossbred wool tops, p. 173, 21*st October.*

East India wool, p. 173, 21*st October.*

Applications for licences to export any goods the exportation of which is prohibited or restricted should be made to the **War Trade Department, 4, Central Buildings, Westminster, London, S.W.,** *except in the two cases marked †, in which cases applications should be addressed to the* **Commission Internationale de Ravitaillement, India House, Kingsway, London, W.C.**

BRITISH INDIA.

The following information regarding openings for trade in British India is extracted from the Review of the Trade of India in the year ended 31st March, 1915, by the Director of Statistics to the Indian Government:—

Electrical Machinery; Electrical Equipment for Collieries.

Electrical machinery for use in connection with water power plant has great capabilities of expansion. The total number of electrical installations in India is already large and is increasing. All the larger towns and chief ports possess electric light and electric tramways, or are about to use power for these purposes. A gradually increasing market for electrical machinery is anticipated.

In recent years the collieries of India have largely adopted *electrical equipment* and here German goods have found an opening.

Electrical Wiring Accessories.

The Calcutta market has in late years been flooded with cheap German materials for electric wiring, such as *cables, switches, ceiling roses* and *cut-outs.* Since the outbreak of hostilities this source of supply has ceased and the United Kingdom is likely to capture the German trade in these goods, provided the requirements of the market are carefully studied.

Openings for British Trade.

BRITISH INDIA—*continued.*

Machinery and Millwork.

In view of the increasing requirements of mills and factories in India for *machinery* and *millwork*, the market for this class of goods is promising. It is necessary, however, for the agents and commercial travellers of manufacturing firms to encourage the use of their machinery by actual demonstration as far as possible to mill-owners and others interested in Indian industries.

Earthenware and Porcelain.

The imports of earthenware and porcelain into India came chiefly from the United Kingdom, although an appreciable quantity was also imported from Germany and Austria-Hungary. The German-made goods under this heading consisted chiefly of *earthenware, cups and saucers,* and *china clay insulators.*

Edgings; Laces; Trimmings.

Imports of *haberdashery* from Germany included *cotton coloured edgings; net laces,* sold very largely as trimmings for apparel; *torchon laces*—a cheap imitation of the well-known torchon edging and insertion of British manufacture; and from both Germany and Austria-Hungary were imported large quantities of imitation Irish *trimmings.*

Enamelled Ware.

Imports of *enamelled ware* into British India declined from £186,700 in 1913-14 to £66,700 in 1914-15. This was the most important line of imports from Austria-Hungary, which supplied £120,000 worth of enamelled ware in the year ended 31st March, 1914, and £60,000 worth in the four months April to July, 1914.

Large orders have been placed for British enamelled ware to replace supplies from Austria, but it is pointed out that while British goods are slightly cheaper than the "Gun" brand of Austrian make, the latter are preferred for their superior shape and finish. The bulk of the trade is done in *bowls, rice dishes, soup plates* and *tumblers.*

Metal Lamps.

Metal lamps have been largely imported from Germany (principally *hurricane lanterns*) and Austria-Hungary (principally *table and hanging lamps of various descriptions*). A feature of the trade in metal lamps is the enormous strides which have been made by the United States in capturing this trade. The combined value of the imports of these goods from Germany and Austria-Hungary in 1913-14 was £100,000, and in the four months April to July, 1914, £33,300.

* * * * *

Cotton Goods.

According to a report received at the India Office from the Government of the United Provinces of India, stocks of British manufactured *cotton goods* in the United Provinces were, at the date of writing (9th November), from 20 to 30 per cent. lower than in January last, but almost normal for the time of the year, owing to previous overbuying. Demand had been poor for some time and dealers on the whole were said to have lost money. There was, however, every reason to expect that in the course of November the demand would improve, and continue fair up to the end of the year. (C. 44,495.)

Openings for British Trade.

CANADA.

The office of H.M. Trade Commissioner in Canada reports the receipt of the following enquiries :—

Tapestries ; Cretonnes ; Art Fabrics ; Woollen, and Worsted Cloths ; Underclothing.

A Montreal business man wishes to obtain agencies of United Kingdom manufacturers of *tapestries, cretonnes, art fabrics, woollens and worsted cloths*, and *underclothing*. *See Note† following.*

(C.I.B. 58,767.)

Brushes ; Hardware.

A firm of agents for builders' supplies in Winnipeg desires to obtain agencies of United Kingdom manufacturers of *brushes* and *hardware*—especially *chains* and *enamelled ware*. A representative of this firm is at present in the United Kingdom, and has furnished an address in this country to which communications may be sent. *See Note† following.*

(C.I.B. 58,294.)

Note†.—United Kingdom manufacturers of the goods mentioned, and exporters of U.K. goods, desirous of appointing agents in Canada, may obtain the names and addresses of the respective enquirers on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. The appropriate reference number should be quoted.

✠ ✠ ✠ ✠ ✠

The following enquiries have been received at the Canadian Trade Commissioner's Office, Portland House, Basinghall Street, London, E.C., *whence further information may be obtained.*

(C.I.B. 59,457.)

Canadian Manganese Ore *wanted.*

A Liverpool firm asks to be placed in touch with the owners of Canadian mines producing manganese ore.

Canadian Fish and Poultry *wanted.*

A Lancashire firm desires the addresses of Canadian shippers of frozen fish and also of poultry.

☛ *Note.*—For further information regarding either of the foregoing enquiries, application should be made to the Canadian Trade Commissioner's Office, Portland House, Basinghall Street, London, E.C.

NEW ZEALAND.

Hydro-Electric Generating Set, Switchboard, &c.

H.M. Trade Commissioner in New Zealand (Mr. W. G. Wickham) reports that tenders will be received at the Town Clerk's Office, Raetihi (North Island), up to 4 p.m. on 14th March, 1916,* for the supply and erection of a 40 k.w. *hydro-electric generating set, switchboard, &c.*

Copies of the specification and drawing may be obtained from Messrs. H. W. Climie and Son, Raetihi, N.Z., on payment of a deposit of £1, which will be refunded on receipt of a *bona fide* tender.

(C.I.B. 58,410.)

* It will be observed that the time for the receipt of tenders is limited, and, owing to forms having to be obtained from New Zealand, this intimation will be of use only to firms having agents in the Dominion who can be instructed by cable.

Openings for British Trade.

NEW ZEALAND—*continued.*

H.M. Trade Commissioner in New Zealand has also forwarded extracts from the local press, from which the following particulars are taken:—

Building Material and Equipment; Plant and Material for Water and Drainage Works.

The ratepayers of Auckland have authorised the municipal authorities to raise a loan of £115,000 for the purpose of carrying out the following works:—Erection and equipment of *market buildings*, £55,000; establishment of a *fish market*, £20,000; *water supply* in Grey Lynn, £10,000; construction of drainage works at Remura, £30,000.

Plant and Material for Road making and Drainage System.

It is also proposed to raise a loan of £75,000 for improvement works at Epsom, as follows:—Installation of a system of *storm water drainage*, £7,000; purchase of *plant for road making*, £1,000; and *general improvements to roads*, £67,000.

Freezing Works Plant.

A company has been formed for the erection of *freezing works* at Whakatane.

(C.I.B. 58,772.)

SOUTH AFRICA.

Wooden Sleepers.

The Imperial Trade Correspondent at Johannesburg (Lieut.-Col. C. A. C. Tremeer, D.S.O.) has forwarded a copy of a specification issued by the South African Railways Administration in connection with a call for tenders for the supply and delivery of *Jarrah or other hardwood sleepers* in the following quantities and dimensions: 300,000 sleepers, 7 ft. by 10 in. by 5 in., and 130,000 sleepers, 6 ft. 6 in. by 9 in. by 4½ in.

Specifications and forms of tender may be *obtained* on application to the Secretary to the Tender Board, South African Railway Headquarter Offices, Johannesburg, at which address also sealed tenders, on the proper forms, will be received up to noon on 31st January, 1916.* *See Note† following.* (C.I.B. 59,102.)

Boiler Tubes.

The Imperial Trade Correspondent at Johannesburg has also forwarded a copy of a specification and form of tender in connection with a call for tenders by the Johannesburg Municipal Council, for the supply and delivery of 250 18 ft. by 4 in. *tubes for water tube boilers.* (Contract No. 70).

Copies of the specification, conditions of contract, and forms of tender may be *obtained* from the Municipal Offices, Johannesburg, at which address also sealed tenders, on the proper forms, will be received by the Town Clerk up to noon on 15th February, 1916.*

(C.I.B. 59,101.)

Note†.—A copy of the specification, &c. may be *consulted* by United Kingdom firms interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

* It will be observed that the time for the receipt of tenders is limited, and this intimation will therefore be of use only to firms having agents in South Africa who can be instructed by cable.

Openings for British Trade.

FRANCE.

Hides
(*Buying Agency wanted*).
Tanned Leather
(*Selling agency wanted*).

H.M. Consul at Bordeaux (Mr. A. L. S. Rowley) reports an enquiry from an agent in that city who wishes to represent United Kingdom firms as buying agent for *hides* and/or selling agent for *tanned leather*. The enquirer, it is stated, carried on an important business in this trade with German firms before the war, exporting hides to them and selling German leather in France; and he now wishes to get into touch with United Kingdom firms with a view to organising the same kind of trade for *after the war*, thus replacing German goods by British products.

United Kingdom importers of hides and manufacturers of tanned leather, desirous of appointing a buying and/or selling agent in Bordeaux, may obtain the name and address of the enquirer on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. The following reference number should be quoted. (C.I.B. 58,340.)

PORTUGAL.

Electric Lighting Plant and Material.

The "Diario do Governo" (Lisbon) of 15th December notifies that tenders will be received, within a period of 30 days from that date, by the Municipal Authorities at S. Pedro do Sul, for a concession for the electric lighting of that town.

Although this contract will probably be awarded to a Portuguese firm, nevertheless the carrying out of the works may involve the purchase of some material outside Portugal.

SPAIN.

Goods in Demand. See notice on pp. 880–2.

LIBERIA.

Enamelled Ware; Brassware; Hardware; Pomades; Fancy Goods; Undershirts; Hosiery; Blankets. See notice on p. 880.

ECUADOR.

Material for Drainage and Water Supply Works.

The "Registro Oficial" (Quito) of 15th October publishes a Decree authorising the Municipality of the Canton of Mejia to sell certain lands in that district with a view to devoting the proceeds to the installation of a drainage and water supply system in Machachi, the chief town in the Canton.

Openings for British Trade.

BOLIVIA.

Railway Construction and Material.

H.M. Chargé d'Affaires at La Paz (Mr. G. F. Boulton) has forwarded a translation of a Decree of the Bolivian National Congress, dated 4th November, authorising the Executive to call for tenders for the construction of a railway from Potosi to Sucre. Tenders are to be on the basis of existing plans and the Government are to guarantee interest up to 6 per cent. per annum on the capital employed in the work. The period for the presentation of tenders will close on 30th June, 1916.

The above-mentioned translation of the Decree may be consulted by United Kingdom firms interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

(C.I.B. 58,753.)

ARGENTINA.

Railway Material; Bridgework.

The "Boletin Oficial" (Buenos Aires) of 20th November publishes a Decree authorising the "Empresa Vézin & Cía.," of Paris, to extend the lines of the Central Northern Railway (State Railways) to the Argentine-Bolivian frontier and to construct a bridge over the Quiaca River, thus connecting with the La Quiaca-Tupiza Railway which is under construction for the Bolivian Government by the same company (see p. 327 of the "Board of Trade Journal" of 29th July last).

ARGENTINA (PATAGONIA).

Vehicles; Agricultural Machinery; General Goods.

See notice on p. 879.

CHINA.

Catalogues and Price Lists of British Goods wanted.

H.M. Commercial Attaché at Peking (Mr. W. P. Ker, C.M.G.) reports that the Chinese Ministry of Agriculture and Commerce have recently established a Commercial and Industrial Commission whose object is the collection of statistics and the development of trade in China, and that this Commission desires to receive copies of catalogues issued by United Kingdom manufacturers.

United Kingdom manufacturers, and exporters of U.K. goods, who may be interested, should address catalogues and price lists of their goods to the Commercial and Industrial Commission, Ministry of Agriculture and Commerce, Peking. (C.I.B. 58,517.)

Trade Publications—Suggestions to Publishers.

Mr. Ker also invites publishers of periodical trade publications to send specimen copies of their publications, noting amount of annual subscription to each, to the Commission with a view to the publications being considered for addition to the Library which the Commission is installing for the assistance of Chinese importers and exporters in making connections abroad.

(C.I.B. 58,517.)

OPENINGS IN ALL COUNTRIES.

Confidential Information.

Firms in the United Kingdom desirous of receiving confidential information as to opportunities for the extension abroad of those branches of trade in which they are specially interested, and as to other connected matters, may, upon application, have their names placed on a Special Register at the Commercial Intelligence Branch of the Board of Trade.

The confidential information communicated to firms so registered relates mainly to openings for British trade abroad, and is received from His Majesty's Consular Officers in Foreign Countries, from His Majesty's Trade Commissioners and the Imperial Trade Correspondents in the British Dominions, and from the Board of Trade Correspondents in the Crown Colonies, supplemented by information from other sources available to the Commercial Intelligence Branch.

Firms inscribed on the Register may indicate the particular lines of trade to which the information to be sent to them should relate, and a classified list of subjects is sent to all applicants for registration with this object. During 1914, 989 separate circulars were issued (to the number of 142,005 copies) to firms on the Special Register interested in the particular branches of trade to which the circulars related.

The great volume of information distributed under this system has rendered it necessary to make a small charge for the service *which includes the regular supply of the weekly "Board of Trade Journal,"* and accordingly firms whose names are inscribed on the Register are required to pay an annual fee of One Guinea to the Accountant-General of the Board of Trade, Whitehall Gardens, London, S.W.

The "Journal" itself contains a large amount of information as to openings for British trade abroad and as to other matters of interest to British traders generally. Information published in it is not repeated by circular to firms whose names are on the Special Register; the confidential information communicated to the latter is confined to matters which, at the time, have not been published in the "Journal," or are not intended to be published at all.

Firms in the United Kingdom who wish to have their names inscribed on the Special Register should apply in writing to the Director of the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C., for the necessary form of application.

N.B.—Admission to the Register, and retention upon it, are at the discretion of the Board of Trade.

BOARD OF TRADE EXHIBITIONS.

FORTHCOMING BRITISH INDUSTRIES FAIR.

The Board of Trade have now completed the arrangements for the holding of a British Industries Fair at the beginning of next year, on lines similar to those which characterised the Fair organised by the Board at the Royal Agricultural Hall, London, in May of this year.

The Fair, which will be opened on Monday, the 21st February, and remain open until Friday, the 3rd March, 1916, will be held (by kind permission of the President of the Board of Education) in the buildings of the Victoria and Albert Museum, South Kensington, London, S.W.

Only British manufacturers engaged in the following trades, viz., China and Earthenware, Glass, Fancy Goods, Toys and Games, Stationery and Printing, will be permitted to exhibit. As before, admission to the Fair will be by invitation of the Board of Trade alone, and will be restricted to *bonâ fide* buyers for the trades concerned.

✠ ✠ ✠ ✠ ✠

Control of Industrial Exhibitions.

With reference to the foregoing announcement, the Board of Trade call attention to the provisions of the Defence of the Realm Regulations, dated 22nd December (see notice on p. 874 of this issue), empowering the Minister of Munitions, after consultation with the Board of Trade, to prohibit or impose restrictions on the holding of Industrial Exhibitions and Fairs during the war in order to prevent the production of war material being prejudicially affected. For this reason the British Industries Fair will be confined, as stated above, to exhibits of china and earthenware, glass, fancy goods, toys and games, stationery and printing. As a further precaution any firm which holds contracts for a Government Department will have to obtain the permission of that Department before exhibiting. It is proposed to impose similar restrictions on the holders of any other Industrial Exhibitions and Fairs.

EXHIBITION OF GERMAN CATALOGUES.

The importance that German manufacturers have placed upon the production of catalogues printed in the language and currency of the countries to which their goods were exported is well known, and has been frequently emphasised in the reports from H.M. Trade Commissioners and H.M. Consular Officers appearing in the pages of the "Board of Trade Journal."

In order that British manufacturers may have an opportunity of inspecting catalogues of German origin, the Board of Trade have collected over 3,000 specimens, illustrating a great variety of industries, and these may be inspected at the Foreign Samples Section of the Commercial Intelligence Branch, 32, Cheapside, London, E.C. A complete index of the catalogues has been prepared, rendering ready identification of any particular catalogue a simple matter.

Board of Trade Exhibitions.

Copies of the index may be obtained on application to: The Director, Commercial Intelligence Branch of the Board of Trade (Foreign Samples Section), 32, Cheapside, London, E.C.

Arrangements have been made whereby catalogues may be lent to United Kingdom firms established in the Provinces, and where this is desired, the number of days for which the loan of the catalogues is required should be stated in the application to the Director.

GOVERNMENT NOTICES AFFECTING TRADE.

PROHIBITED EXPORTS.

Amendments in and Additions to List.

At the Council Chamber, Whitehall, 28th day of December, 1915.

By the Lords of His Majesty's Most Honourable Privy Council.

Whereas it is provided by Section 2 of the Customs (Exportation Prohibition) Act, 1914, that any Proclamation or Order in Council made under Section 8 of the Customs and Inland Revenue Act, 1879, as amended by the Act now in recital, may, whilst a state of war exists, be varied or added to by an Order made by the Lords of the Council on the recommendation of the Board of Trade:

And whereas it is provided by Section 2 of the Customs (Exportation Restriction) Act, 1914, that any Proclamation made under Section 1 of the Exportation of Arms Act, 1900, may, whether the Proclamation was made before or after the passing of the Act now in recital, be varied or added to, whilst a state of war exists, by an Order made by the Lords of the Council on the recommendation of the Board of Trade:

And whereas by a Proclamation, dated the 28th day of July, 1915, and made under Section 8 of the Customs and Inland Revenue Act, 1879, and Section 1 of the Exportation of Arms Act, 1900, and Section 1 of the Customs (Exportation Prohibition) Act, 1914, the exportation from the United Kingdom of certain articles to certain or all destinations was prohibited:

And whereas by subsequent Orders of Council the said Proclamation was amended and added to in certain particulars:

And whereas there was this day read at the Board a recommendation from the Board of Trade to the following effect:—

That the Proclamation, dated the 28th day of July, 1915, as amended and added to by subsequent Orders of Council, should be

further amended by making the following amendments in and additions to the same:—

(1) That the following headings in the list of goods the exportation of which is prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain and Portugal, should be deleted, *viz.*:—

Flaxen canvas, namely:—
- Hammock canvas;
- Kit bag canvas:
- Merchant Navy canvas;
- Royal Navy canvas;
- Tent canvas;

Linen close canvas;
Linen duck cloth.

(2) That the exportation of the following goods should be prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain and Portugal:—

Canvas of all kinds;
Canvas hose of all kinds;
Drills, woven, of all kinds;
Ducks, woven, of all kinds;
Linen, viz:—
- Linen yarns (not including linen thread);
- Linen piece-goods, unbleached or not bleached in the piece;
- Union cloths containing cotton in the proportion of 25 per cent. or upwards.

Now, therefore, Their Lordships, having taken the said recommendation into consideration, are pleased to order, and it is hereby ordered, that the same be approved.

Whereof the Commissioners of His Majesty's Customs and Excise, the Director of the War Trade Department, and all other persons whom it may concern, are to take notice and govern themselves accordingly.

ALMERIC FITZROY.

EMBARGO ON TRADE EXHIBITIONS.

New Defence of the Realm Regulation.

An Order-in-Council, dated 22nd December, and published in the Third Supplement to the "London Gazette" of 21st December, further amends the Regulations (called the Defence of the Realm (Consolidation) Regulations, 1914), made under the Defence of the Realm Consolidation Act, 1914, for securing the public safety and the Defence of the Realm. The Order-in-Council referred to above orders, *inter alia*, the following amendment in the Regulations:—

Government Notices affecting Trade.

"7A. Where it appears to the Minister of Munitions that the holding of any exhibition to which this regulation applies or of exhibitions of any class or description to which this regulation applies would prejudicially affect the production of war material, he may, after consultation with the Board of Trade, by Order either prohibit the holding of any such exhibition or of all exhibitions of any class or description specified in the Order, or impose conditions or restrictions on the holding thereof, and any person who holds an exhibition or exhibits at an exhibition in contravention of the provisions of any such Order, or of the restrictions and conditions therein contained, shall be guilty of an offence against these regulations.

"A person intending to hold an exhibition to which this regulation applies shall, at least one month before the date fixed for the opening thereof, give to the Minister of Munitions notice in writing of his intention, together with such particulars in relation to the exhibition as the Minister of Munitions may require, and if he fails to do so, shall be guilty of an offence against these regulations.

"Exhibitions to which this regulation applies are exhibitions and fairs the exhibits whereat consist in whole or in part of the products of any industrial or manufacturing process, or the machines, tools, and implements used for the purpose of any such process."

[See also notice on p. 872.]

EXPORT OF COAL.

White List of Regular and Reliable Importers.

The Board of Trade announce that a white list of regular and reliable importers of coal in neutral countries has been prepared, and copies may be consulted at the Baltic, the Cardiff Coal Exchange, the Royal Exchange, Glasgow, the Pacific Exchange, Hull, the Atlantic Exchange, Liverpool, the Exchange, Newcastle, or at the Mercantile Marine Office at any of the following ports:—Ardrossan, Blyth, Burntisland, Cardiff, Glasgow, Hull, Leith, Liverpool, Manchester, Methil, Newcastle, Newport, Port Talbot, Swansea, and West Hartlepool.

Shippers are advised to consult this list before applying for licences to export coal or gas coke to any particular firm, as this may prevent delay in dealing with the applications.

If the name of a foreign firm, which is regarded as a regular and reliable importer of coal, does not appear on this white list, the firm should be advised to apply at once to the local British Consul in the country concerned.

It will be understood that licences must be obtained in all cases, whether the name of the consignee is on the list or not, and that the granting of licences is dependent upon the available supplies of coal and coke in this country and the other considerations which have to be borne in mind by the licensing authority.

Government Notices affecting Trade.

TRADING WITH THE ENEMY.

The Board of Trade direct the particular attention of all manufacturers and traders concerned to the need for scrupulous care in the transaction of their business abroad, in view of the fact that some traders in some neutral countries are making themselves agents for the supply of goods to and from enemy countries. Especial care should be taken in opening new accounts in neutral countries, and in relation to any orders or enquiries of an abnormal character. In any case of doubt as to particular firms abroad,* business should be suspended pending reference to the *Chairman, Trade Clearing House, Broadway House, Tothill Street, Westminster, London, S.W.* It is inadvisable that any new accounts should be opened by any British trader in neutral countries, during the war, without the fullest enquiries as to the character of the business proposed to him.

The Proclamations relating to trading with the enemy cover indirect trading with the enemy through neutral agents, and carelessness in transacting neutral business may involve traders in the severe penalties attaching to trading with the enemy.

* Except in the cases notified in the notice immediately following.

CONSIGNEES IN PERSIA, MOROCCO, LIBERIA, OR PORTUGUESE EAST AFRICA.

Notice to Exporters.

With reference to the Trading with the Enemy (China, Siam, Persia and Morocco) Proclamation, 1915, published at p. 21 of the "Board of Trade Journal" of 1st July last, and to the Trading with the Enemy (Liberia and Portuguese East Africa) Proclamation, 1915, published at p. 447 of the "Board of Trade Journal" of 18th November, it is notified that enquiries as to whether specified firms in Persia, Morocco, Liberia, or Portuguese East Africa, are desirable as consignees of goods, from the point of view of possible trading with the enemy, may now be made at the *Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.*

(C. 43,763.)

TRADE WITH CHINA AND SIAM.

The Seventh Supplement to the "London Gazette" of 21st December contains complete revised lists of persons and bodies of persons to whom articles to be exported to China and Siam may be consigned, under the terms of the Proclamation of 24th September (see pp. 952-3 of the "Board of Trade Journal" of 30th September).

Copies of the Supplement referred to may be obtained, price 4½d. post free, from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C.

Copies of the lists of approved consignees may be consulted by British firms at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

Government Notices affecting Trade.

SHIPMENT OF CHILEAN NITRATE OF SODA DELAYED.

The President of the Board of Agriculture and Fisheries regrets to announce that, in consequence of the exceptional demands for freight at the present time, it has not yet been found possible to arrange for the shipment of nitrate of soda from Chile as was contemplated.

ENEMY COMPANIES AND CONTRACTS IN AUSTRALIA.

With reference to the notice on p. 679 of the "Board of Trade Journal" of 9th December relative to companies declared "enemy companies" under the Commonwealth Trading with the Enemy Act (1914), attention is called to a notice published in the "Commonwealth Gazette" of 11th October giving the name of a further company which has been declared by the Attorney-General to fall within the category of "enemy companies."

A copy of the "Gazette" referred to may be consulted by United Kingdom firms interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

FOREIGN GOVERNMENT NOTICES AFFECTING TRADE.

FRENCH DECREE PROHIBITING MANUFACTURE OF ARMS, ETC.

H.M. Embassy in Paris reports the publication of a Presidential Decree, dated 7th December, prohibiting the manufacture in French territory of arms and munitions of war of all kinds until the cessation of hostilities, unless with the special authorisation of the Minister of War. The manufacture of, and trade in, machine tools for the purpose of making arms and munitions of war is likewise prohibited.

[NOTE.—Trade in arms and munitions of war in France and in French Protectorates except by the authorisation of the Minister of War, was prohibited by a Decree dated 7th October (see notices at p. 178 of the "Board of Trade Journal" of 21st October, and at p. 527 of the "Journal" of 25th November).] (C. 45,160.)

STATUS OF CONCESSIONNAIRES IN MEXICO UNDER THE CONSTITUTIONALIST (CARRANCISTA) GOVERNMENT.

Issue of Questionnaire to Oil Concessionnaires.

H.M. Acting Chargé d'Affaires at Mexico City (Mr. E. W. P. Thurstan) reports, under date 19th November, that a Decision of the Ministry of Fomento, Colonisation and Industry, dated 29th August last, based on a Decree dated 24th April, 1913, of the First Chief of the Constitutionalist Army (General Venustiano Carranza) provides that "all matters dealt with and decided upon from 19th February, 1913,

Foreign Government Notices affecting Trade.

" by the Ministry of Fomento and subsequently by the so-called " Ministry of Agriculture and Colonisation since the date of its " creation (*i.e.* by the Government of General Victoriano Huerta), are " declared null and void. Interested parties are at liberty to address " themselves to the Ministry of Fomento soliciting the reconsideration " of their affairs with a view to the issue of new documents."

In this connection H.M. Acting Chargé d'Affaires at Mexico City further reports that the Acting Minister of Fomento has issued a circular (dated 15th November), to the effect that companies or individuals who own oil concessions will not be permitted to exploit them further unless within two months of the date of issue they have answered a series of questions contained in the circular.

[See also the following notice.] (C. 38,709.)

REVALIDATION OF RIGHTS AND CONCESSIONS IN MEXICO.

The Foreign Office announces that the Mexican Government require all rights or concessions granted during General Huerta's tenure of office to be presented in writing to the Ministry of Fomento by 31st January next, for revalidation.

For convenience of record by the Mexican Government, His Majesty's Government advise persons interested to apply accordingly.

TRADE ENQUIRIES REGARDING MARKETS ABROAD.

The Commercial Intelligence Branch of the Board of Trade invites applications from manufacturers and exporters of United Kingdom goods who are desirous of extending their trade in markets abroad. Such applications should specify the countries for which information is desired, and indicate—

(*a*) The precise kind of goods about which the enquirer desires information, and

(*b*) The particular points in regard to which he especially wants to be informed.

Attention is directed to this matter because, if applicants would make their enquiries *more precise*, they would benefit by receiving more precise information. It would also be in their interest to state whether they have already succeeded in obtaining any trade in the countries in question, whether they are represented by agents there, and if so by whom, and whether they are satisfied with their representation.

Applicants for information may apply direct to H.M. Trade Commissioners and the Imperial Trade Correspondents in the Dominions, the correspondents of the Commercial Intelligence Branch of the Board of Trade in other parts of the Empire, and to H.M. Consular Officers in foreign countries, but it is generally desirable that they should apply, *in the first instance*, to the Commercial Intelligence Branch, 73, Basinghall Street, London, E.C., because by the adoption of this course much delay may be avoided in those cases in which the Branch is already in possession of the required information.

TRADE CONDITIONS ABROAD.

EGYPT (PORT SAID).—H.M. Consul at Port Said (Mr. F. G. Freeman) reports that the trade of the port is principally concerned with coal, other imports (chiefly silk and fancy goods from the Far East) being negligible in comparison. The chief business concerns are British shipping agencies and the Suez Canal Company, and they have naturally been in the habit of placing their orders with British and French firms. The share of Germany and Austria-Hungary in the trade of Port Said has consequently been considerably smaller in proportion than in the other large towns of Egypt, where there are many large businesses controlled by Greeks and Levantines for whom German traders cater. (C.I.B. 53,631.)

✠ ✠ ✠ ✠ ✠

ARGENTINA (PATAGONIA).—H.M. Consul at Rosario (Mr. S. S. Dickson) has forwarded the following report from Port Madryn regarding trade conditions in Patagonia:—

With a few townships and farm colonies, Patagonia serves mainly as a grazing land for sheep. Owing to the poorness of the soil, it is only the large areas of land that render even sheep farming possible. Taking the average year the land in Patagonia will carry about 1,000 sheep per square league.

Enormous distances have to be covered between the coast towns and the interior. Roads are bad and journeys take from a week to a month. Consequently *vehicles* constitute a very important item in the import trade of Patagonia. Goods are carried by "troops" of mule and horse carts, from eight to ten animals to the cart, and "trooping" or "trekking" is a business in itself. The carts or wagons are almost all imported from the United States, two makes being particularly prominent.

For long-distance passenger traffic a cart of the "buckboard" pattern is employed and is usually drawn by three horses or mules, a fresh relay of animals being driven alongside. The requirements of this type of vehicle are minimum weight consistent with maximum strength, uniform breadth between wheels (corresponding in gauge to the trekking cart wheels) and sufficient in length to accommodate provisions and fodder for the trip, as well as passengers and luggage. For short distances the "sulky" type of cart is mostly employed, and here again the United States has practically the monopoly of the trade in these conveyances.

Agricultural machinery is of secondary importance in Patagonia, the main customers being the few farming colonies. The imports of agricultural machinery come chiefly from the United States.

General imports.—The importers in Patagonia, whether importing firms proper or the stores of the land companies, all endeavour to cater for every requirement—*provisions, clothing, hardware, draperies, toilet articles*, &c—and where there is no licensed chemist, *medicines and drugs.*

The names of the principal importers of vehicles, agricultural machinery and general goods may be obtained by United Kingdom manufacturers, and exporters of U.K. goods, on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. The following reference number should be quoted. (C.I.B. 47,792.)

✠ ✠ ✠ ✠ ✠

Trade Conditions Abroad.

LIBERIA.—With reference to the article on pp. 311-3 of the "Board of Trade Journal" of 4th November, on the subject of British trade with Liberia, the following further information, which has been received from H.M. Consul-General at Monrovia (Mr. R. C. F. Maugham), may be of interest:—

The principal articles of German manufacture hitherto dealt in by British firms in Liberia were—

Enamelled ware.—*Pans, kettles, frying pans, buckets, baths, and cooking utensils.*

Brassware.—*Native pans, sizes 8 ins. to 20 ins.; also kettles.*

Hardware.—*Kaffir cooking pots, box irons, tin and iron trunks, axes, butchers' knives, matchets, penknives, scissors, razors, spoons, padlocks, galvanised buckets, and nails in kegs of 112 lbs.*

Pomades.—*All kinds of cheap pomades and perfumery, the former in tin boxes and jars.*

Fancy goods.—*Cheap mirrors in metal frames, watches, clocks, alarm clocks, toy bells, glassware of all kinds, lanterns, table lamps, palm-oil lamps and lamp chimneys.*

Clothing, &c.—*Cheap undershirts, socks, stockings, and blankets.*

These goods have a very considerable sale in the Republic and should be of special interest to British firms, especially as the greater part of them are practically unprocurable at present, and no further shipments are coming forward. The main point to be considered is cheapness. The difference in prices quoted by British and German manufacturers for the articles set out above (especially for articles grouped under the heading of hardware) is somewhere between 40 and 50 per cent. in favour of the latter.

Drafts on buyers are almost invariably at sight, promissory notes not being dealt with at all. When shipping documents are passed through the bank they are not released until the draft and bank charges against the goods have been fully paid. Terms arranged between home manufacturers and local buyers and importers are shown on the invoices, whether f.o.b. or c.i.f. terms. Duty can only be paid at the port at which goods are landed in Liberia. Invoices can be made out either in British or Liberian currency, the Liberian dollar being equivalent to 4s. 2d. Local sales are effected by means of both currencies. British weights and measures areused. [N.B.—In reference to the foregoing regard should be had to the notice on p. 876 relative to consignees in Liberia.] (C.I.B. 54,360.)

* * * * *

SPAIN (PROVINCES OF ASTURIAS, LEON AND GALACIA).—H.M. Consul at **Vigo** (Mr. A. Nightingale) reports that in 1914 the general movement of trade and commerce in his consular district, which comprises the Provinces of the Asturias, Leon and Galicia, was far from satisfactory. As compared with 1913 there was a falling-off in the trade generally of £1,415,958, the imports being reduced by £902,599, and the exports by £513,356. Without doubt a great part of this decrease was due to the war, so far as the imports are concerned, but the sardine industry seems to have been the principal cause of the reduction in the exports.

Trade Conditions Abroad.

German goods.—In visiting the various shops in Vigo one cannot but help being impressed by the amount of German goods with which they are all stocked. Most of the articles are of good appearance, but will not bear close inspection. However, they appear to suit the market. The German manufacturers seem to have gone in for supplying the poorer class of customer all over the world, and undoubtedly this is the class which, collectively, consumes most. Most people of slender means in these southern countries have not the patience to save up their money in order to buy articles of good quality, and in general both the poorer class and people of moderate means are more attracted by a showy appearance and get up—quality being a subordinate consideration. There is also the desire for novelty and change, which could not be so easily gratified if the better-class article were bought.

Catering for the masses is, without doubt, the best business, and the German manufacturers and merchants know this. They also seem to have studied the tastes of the people, and pack their goods in such a manner that the covering boxes or wrappers alone create an incentive to purchase.

There is also the question of credit, which is never less than 90 days with the Germans and more often than not is six months. Of course these long credits have to be paid for in the price put on the articles, but the shopkeeper does not mind that; what he objects to is having to pay for goods before any of them are sold.

Catalogues.—In spite of the recommendations by various Consular Officers that catalogues should be printed in the language of the country to which they are sent, many British firms still continue to send catalogues to Spain printed in English. The amount spent in this manner is, in H.M. Consul's opinion, money absolutely thrown away. Catalogues for Spain should not only be printed in Spanish, but the measurements and weights should also be given in the metric system; likewise, the prices in pesetas should be given alongside the sterling prices based on the local currency at par (the price can then be worked out according to the rate of exchange of the day). Whenever possible c.i.f. prices should be quoted, as the retail merchant is then able to work out what each article will cost to put in his shop after paying customs duties, &c. These suggestions mean a more or less elaborate catalogue which may be expensive to draw up, but it is the only way to convey an intelligent idea of the cost of goods to foreign buyers.

Commercial travellers.—In regard to commercial travellers, H.M. Consul states that during the nine months he has been at Vigo, only two travellers for British firms have passed there to his knowledge. One would think that the present is an opportune time for British merchants to step in and capture trade in Spain. Even if the business done at the outset proved to be of little importance, the fact should not be lost sight of that a certain amount of experience of the market would be gained, not to mention the advantages which would be derived from a personal acquaintance

with the merchants and business men of the place. Of course it is essential that a traveller should speak Spanish.

The British Vice-Consul at **Villagarcia** (Mr. R. Cameron-Walker) reports that the value of the imports into that town during 1914 was only £59,144, as against £237,958 in 1913, the large decrease being due to the falling-off in imports of maize and codfish.

Of the articles which will find a ready market in the district, the British Vice-Consul enumerates the following, which have been mentioned to him by reliable merchants:—*Paints, varnishes and oils, small hardware (such as locks and keys), household hardware, linoleums, watches and clocks, silver-plated ware, mechanical toys, fancy jewellery, cotton prints, boots and shoes, sewing machines, canned and potted meats, extracts* and *patent medicines.* These will meet with ready sale in the ports of Villagarcia and Carril, and form in reality but a small portion of the long schedule of every sort of goods, wares and merchandise which are imported from the many manufacturing cities of Europe, and with which British firms could, with a few exceptions, easily compete, provided that they will endeavour to send their goods to this market under the same conditions as do German exporters.

The terms of payment should be at least as tempting or advantageous as those usually offered by the exporters of other countries, and for no branch of trade should credit be shorter than three months after delivery of the articles. Long credits are the rule in Spain. By pursuing this course German and other Continental manufacturers have secured almost a monopoly of the market.

The British Vice-Consul at **Gijon** (Mr. A. Lovelace) reports that the import trade in that district was fairly brisk during the first six months of 1914, but after the outbreak of the war it declined considerably. A decrease of £314,510 took place in the total value of imports as compared with that for the year 1913. Orders for goods from abroad appear to have been given as usual, but, as they were not fulfilled, several industries were compelled to close down for a time owing to the want of raw material. Although the industries in question were able to resume work later, their output has been considerably reduced, owing to a continuance of the difficulties referrred to. (A.R. 125.)

BRITISH CHAMBER OF COMMERCE AT TIENTSIN.

Attention is called to the recent formation of a British Chamber of Commerce at Tientsin to further British commercial interests in the Far East. (C. 44,451.)

ADOPTION OF NATIONAL CURRENCY IN CUBA.

With reference to the notice on p. 279 of the "Board of Trade Journal" of 28th January last relative to a Law authorising a new coinage issue in Cuba, it is notified that the "Gaceta Oficial" (Havana) of 14th September published a Decree, dated 11th September, rendering the use of the new monetary system* obligatory in all public and private transactions as from 1st December, 1915.

In public documents which contain financial obligations these obligations will be expressed in the legal currency, and in contracts or documents where foreign money is stipulated (with the exception of the currency of the United States, which is legal tender) the equivalents to the national currency are to be expressed, the quantities being stated in the monetary unit of the respective country, *e.g.* £, peseta, franc, lira, mark, bolivar, or milreis, but in no case is it permissible to stipulate payments in foreign coins of copper. No money will be admitted into the public banks of Cuba which is not legal currency.

As regards obligations or contracts dating previous to the promulgation of the Monetary Law, which did not especially express the currency in which payment should be made, but which may have used the general denominations of the day, or those of moneys current at the time of drawing up a contract, &c., such as reals, escudos, or pesetas, payments will be in the equivalents in the new system for their nominal value, *i.e.* in pesos and centavos at the rate of 10 centavos per real, 20 centavos per peseta, 50 centavos per escudo and peso per peso.

Contracts and obligations entered into previous to the promulgation of the Monetary Law without specifying any currency for payment other than the generic denomination of gold of Spanish minting, or of Spanish or French minting indiscriminately, will be met in legal currency at the rate of 16 pesos for each "onza," of 5 pesos per "centén," and of 4 pesos per "luis." In financial obligations entered into after the promulgation of the Law the "centén" or the "luis," or the Spanish coin of 25 pesetas and the French of 20 francs, will be satisfied by 5 and 4 pesos respectively of the new issue. From 1st December, 1915, the circulation of Spanish silver and copper money is totally prohibited, as is also the importation and circulation of French and Spanish gold ("luis," "centenes," &c.).

In connection with the above-mentioned measure, a recent issue of "Commerce Reports" (Washington) points out that hitherto Spanish, French, American, and small quantities of other moneys circulated indiscriminately in Cuba. On nearly every prominent corner in Cuban cities, and especially in Havana, money changers were established. Many abuses and inconveniences resulted from this state of affairs; banks and business houses had to keep their accounts in three currencies—Spanish, French and American—and the differing values of the various coins were constant causes of misunderstanding and a detriment to commerce generally.

* The gold pieces of 20, 10 and 5 pesos are of the same weight and value as the corresponding United States gold coins. The silver coins minted are pieces of 1 peso, 40 centavos, 20 centavos and 10 centavos, while nickel pieces are for 5 centavos, 2 centavos and 1 centavo.

Adoption of National Currency in Cuba.

According to the "Wall Street Journal" of 1st December (quoted in the "Commercial and Financial Chronicle" of New York of 11th December) the Decree of 11th September has been modified by further Decrees published on 22nd and 24th November respectively. The former conceded to private parties the right to fix by deed, free from duties or taxes, the amount which they may agree upon in Cuban or American currency for existing obligations or contracts originally made in Spanish or French gold, and the latter postponed until 1st June, 1916, the prohibition of the circulation of French and Spanish coin, the importation of which, however, is not permitted.

CHINESE PAPER MONEY AND CURRENCY.

The following particulars regarding the measures taken by the Chinese Government to deal with the difficulties caused by the excessive issue and consequent depreciation of bank notes, and the lack of a uniform currency, have been received from H.M. Commercial Attaché at Peking (Mr. W. P. Ker, C.M.G.) :—

At the beginning of 1914 the financial condition of Kwangtung in particular was critical owing to the heavy depreciation of the provincial notes, which were practically the sole currency of the Province. These notes were then worth less than half their normal value. The trade of the Province was at a standstill, the troops threatened to mutiny, and another revolutionary movement seemed imminent. After various loan schemes for the redemption of the depreciated notes had fallen through, the Chinese Government approached the foreign banks interested in the reorganisation loan of 1913, to obtain their consent to the use for this purpose of funds set aside under that loan for the reorganisation of the Salt Gabelle. To this the banks assented, and a formal scheme was drawn up by the banks and the Chinese Minister of Finance for the redemption of the notes. Under this scheme the Chinese agreed to the appointment of one foreign and one Chinese delegate to superintend the work and also of two foreign and two Chinese cashiers to assist them. The operation of the scheme was attended with surprising success, chiefly owing to the comparative accuracy of the estimate of the number of notes in circulation furnished by the Provincial Government, the almost complete absence of forged notes, the ready acquiescence on the part of the holders in the rate of exchange fixed, and the capacity and honesty displayed by the Chinese staff under able foreign supervision. The nominal value of the notes redeemed at Canton between 1st and 31st July amounted to 31,645,504 dols., while the original estimate of notes in circulation made by the provincial Treasury was 34,240,000 dols. The total forgeries amounted to only 1,367 dols., a very small proportion.

The above account of what was done in Kwangtung is illustrative rather of what might be done in other Provinces than of what has actually been done, but endeavours are being made to deal with the problem elsewhere, notably in Szechwan and in the Manchurian

Province of Kirin. The trade in other Provinces in Manchuria and in the Province of Hunan is still handicapped by depreciated note issues. It is believed, however, that with the exception of the Government banks and a few sound private banks, there are no longer any native banks issuing notes, so that the danger to be faced is confined within definite limits.

As for the question of Chinese currency, the confusion that exists is undoubtedly a most serious factor in retarding the commercial development of the country. The practical difficulties in the way of reform seem to baffle every Minister of Finance in turn, while the foreign advisers called in from time to time for consultation are by no means unanimous as to the principles that should be followed. The scheme that has held the field since 1910 is that of minting coins with the silver dollar as the unit, and subsidiary coinage in silver, nickel and copper. A beginning is apparently being made towards realising this project by melting down Mexican dollars into sycee for re-minting at Nanking, and measures have been enforced for checking the excessive minting of copper coins. It will be remembered that the provision of a uniform national coinage was one of the stipulations agreed to by the Chinese Government in the commercial treaties with the United Kingdom and other Powers signed in 1902; but it is one thing to promise to take the necessary steps for a reform of this kind, and another thing, even with the best intentions, to carry it through to a successful conclusion. It is difficult to see how a uniform currency can ever be established unless the mints are thrown open to the free coinage of silver at a nominal profit. (A.R. 124.)

MANUFACTURE OF DYES, DRUGS AND CHEMICALS IN JAPAN.

Government Measures to relieve Shortage.

With reference to the notice on p. 788 of the "Board of Trade Journal" of 9th September relative to the proposal of the Japanese Government to grant subsidies for the manufacture of dyes and chemicals, H.M. Commercial Attaché at Yokohama (Mr. E. F. Crowe, C.M.G.) reports that regulations in connection with the Government scheme have been published. In brief, these regulations are as follows:—

The Japanese Government will pay three subsidies: one, to a company specialising in the manufacture of dyestuffs whose capital is at least 6,000,000 yen; the second, to a company manufacturing glycerine and carbolic acid, whose capital is at least 1,200,000 yen; and the third to a company manufacturing drugs, whose capital must be at least 500,000 yen. Anyone who desires to organise a subsidised company for the manufacture of dyestuffs and chemicals must apply to the Minister of Agriculture and Commerce for permission to establish the projected concern, but in the case of drugs permission should be sought from the Minister for Home Affairs. When part of the capital is paid up, the first general meeting of the shareholders

completed, and the new company duly registered in the Courts, the promoters of the company are entitled to ask for a subsidy.

The Government guarantees to each company a dividend of 8 per cent. per annum, making up any deficit. Each company must lay aside one-twentieth of its net annual profits as a reserve fund. If its shares are issued at above par, the premium must be included in the reserve fund. A special reserve fund is also to be provided in order that the company may become self-supporting as soon as possible, and to this fund will go one-half of the excess net profits after the dividend of 8 per cent. per annum has been paid. The balance of the excess may be distributed amongst the shareholders, the maximum dividend from this source not exceeding 4 per cent. per annum; the residue will be included in the special reserve fund.

The conduct of the subsidised companies will be under the strict surveillance of the Government.

The products provided for under this Law are as follows:—

Acetanilide, benzoic acid, carbolic acid, salicylic acid, antipyrin, bromine, hydrate of chloral, chloroform, cresol, formalin, glycerine, guaiacol, caustic potash, potassium carbonate, creosote; alkaloids; and chemical compounds and derivatives of the foregoing. The by-products obtained from coal by dry distillation process, as follows:—Light oil and neutral oil, crude and refined benzol, toluol, xylol, carbolic acid, naphthalin and anthracine. Materials from which gunpowder and explosives are to be manufactured, as follows:—Carbolic acid and glycerine.

A translation of the Imperial Ordinance and regulations concerning the encouragement of the manufacture of the above-mentioned products in Japan may be consulted by British firms interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, E.C.

According to a later report from H.M. Commercial Attaché, three companies are being organised with a view to obtaining Government subsidies under the above regulations. One company, engaged in the manufacture of glycerine, with a capital of 3,000,000 yen, intends to take over the business, &c. of an oil company at Osaka. The second company, manufacturing medicines and chemicals, intends to specialise in the manufacture of formalin and its derivatives, and in other carbon compounds. This company will have a capital of 500,000 yen, and will acquire the formalin works of an existing Japanese concern engaged in the production of acetic acid. The third company produces medicines and will have a capital of 1,000,000 yen.

H.M. Commercial Attaché further reports, with reference to the proposed establishment by the Japanese Government of a company for the manufacture of dye-stuffs (see notice on p. 419 of the "Board of Trade Journal" of 11th November), that it has now been arranged that the proposed company will be formed with a capital of 8,000,000 yen. The first factory will be built in Tokio or Osaka, or in the north of Kiushiu (probably close to the Wakamatsu iron works, whence the necessary benzol will be obtained). (C.I.B. 54,359; 57,988.)

Yen = 2s. 0½d.

TARIFF CHANGES AND CUSTOMS REGULATIONS.

UNION OF SOUTH AFRICA.

Customs Decisions.

The Board of Trade are in receipt of copy of a Customs Notice (No. 12), dated 13th October, 1915, giving Customs decisions relative to the rates of duty leviable on various articles imported into the Union of South Africa.

The following are the principal decisions given :—

Articles.	Rates of Import Duty.		
	No. of Tariff Heading	General Rate.	Rebate allowed upon goods the growth, produce or manufacture of the United Kingdom and reciprocating British Colonies.
Carpet sweeping preparation (a mineral oil containing a small amount of carbolic acid)	193	20 % *ad val.*	3 % *ad val.*
Concentrated accumulator acid (consolidated sulphuric acid)	193	20 % "	3 % "
Galangal root (a drug)	193	20 % "	3 % "
Ground greaves (a poultry food)	193	20 % "	3 % "
Hangers for gates (imported separately) ...	193	20 % "	3 % "
Indiarubber surgical tubing	193	20 % "	3 % "
Lard oil	34	3d. per Imp. gall.	Nil.
Malt flour (a cereal)	19 (*b ii.*)	2s. 9d. per 100 lbs.	3d. per 100 lbs.
Piletex (a dry, cooked cereal)	19 (*a ii.*)	2s. 6d. per 100 lbs.	3d. "
Quassia chips	193	20 % *ad val.*	3 % *ad val.*
*Rubber buffers, 2½ in. and over, for mining machinery	114 (*a*)	3 % "	The whole.
Sewerage distributing trays	193	20 % "	3 % *ad val.*
Slag sand	193	20 % "	3 % "

* Revised decision. (C. 45,371.)

TRANSVAAL.

Sale of Rifles and Rifle Ammunition Temporarily Prohibited.

With reference to the Notice which appeared on p. 618 of the "Board of Trade Journal" for the 26th August last, temporarily prohibiting the sale of rifles and rifle ammunition in the Province of Transvaal under Proclamation No. 68 of 1915, copy of a further Proclamation (No. 118 of 1915), dated 11th October, has been received which prohibits the sale of rifles and rifle ammunition in the Transvaal (excluding the Magisterial Districts of Barberton, Bethal, Carolina, Ermelo, Heidelburg, Piet Retief, Standerton and Wakkerstroom) for a further period of three months from the 23rd October, 1915, unless this Proclamation be previously withdrawn.

(C. 45,333.)

Tariff Changes and Customs Regulations.

NORTHERN RHODESIA

Exportation of Coal and Coke Prohibited.

With reference to previous Notices in the "Board of Trade Journal," relative to the prohibition of the exportation of certain articles from Northern Rhodesia under Proclamation No. 8 of 1915, and certain amending Government Notices, the Board of Trade have now received copy of a further Government Notice (No. 117 of 1915), dated 1st October, which prohibits the exportation of the undermentioned articles from Northern Rhodesia, as follows :—

To all destinations, other than destinations in the United Kingdom, any British Possession or Protectorate :—

Coal (including anthracite and steam, gas, household, and all other kinds of coal) and coke.

(C. 45,422.)

SOUTHERN RHODESIA.

Customs Decisions.

The British South Africa Company's "Government Gazette" for the 5th November last contains a Government Notice (No. 395 of 1915) giving a Supplementary List (No. 3) of Customs decisions relative to the rates of duty leviable on various articles imported into Southern Rhodesia.

The following are the principal decisions given :—

Articles.	No. of Tariff Heading.	Rates of Import Duty.		
		Under the General Tariff	Under the British Preferential Tariff.	
			On goods the produce or manufacture of the United Kingdom and reciprocating British Possessions.	On goods the produce or manufacture of non-reciprocating British Possessions.
Aluminium sheets, printed on ...	193	20 % *ad val.*	9 % *ad val.*	9 % *ad val.*
Aniline (not a dye)	193	20 % "	9 % "	9 % "
Carpet sweeping preparation (a mineral oil containing a small amount of carbolic acid) ...	193	20 % "	9 % "	9 % "
Concentrated accumulator acid (concentrated sulphuric acid) ..	193	20 % "	9 % "	9 % "
Filter (water softening and purification)	193	20 % "	9 % "	9 % "
Galangal root (a drug)	193	20 % "	9 % "	9 % "
Gishurst compound	134	3 % "	Free.	Free.
Ground greaves (a poultry food) ..	193	20 % "	9 % *ad val.*	9 % *ad val.*
Hangers for gates, imported separately	193	20 % "	9 % "	9 % "
Indiarubber surgical tubing ...	193	20 % "	9 % "	9 % "
Lard oil	34	3d. per Imp. gall.	3d. per Imp. gall.	3d. per Imp. gall.
Malt flour (a cereal)	19 (*b* 2)	2s. 9d. per 100 lbs.	2s. per 100 lbs.	2s. per 100 lbs.
Match-box slides (for covering match boxes)	71	25 % *ad val.*	9 % *ad val.*	9 % *ad val.*
Miner's safety hat...	193	20 % "	9 % "	9 % "
Piletex (a dry cooked cereal) ...	19 (*a* 2)	2s. 6d. per 100 lbs.	2s. 3d. per 100 lbs.	2s. 6d. per 100 lbs.

Tariff Changes and Customs Regulations.

SOUTHERN RHODESIA—*continued.*

Articles.	No. of Tariff Heading.	Rates of Import Duty.		
		Under the General Tariff.	Under the British Preferential Tariff.	
			On goods the produce or manufacture of the United Kingdom and reciprocating British Possessions.	On goods the produce or manufacture of non-reciprocating British Possessions.
Prufit (for rendering cement waterproof)	193	20 % *ad val.*	9 % *ad val.*	9 % *ad val.*
Quassia chips	193	20 % „	9 % „	9 % „
Rubber buffers, 2½ in. and over, for mining machinery	114 (*a*)	3 % „	Free.	Free.
Sewerage distributing trays ...	193	20 % „	9 % *ad val.*	9 % *ad val.*
Slag sand	193	20 % „	9 % „	9 % „
Sluice gates (appliances for irrigation machinery)...	114 (*a*)	3 % „	Free.	Free.

(C. 45,372.)

UGANDA PROTECTORATE.

Revised Export Duty on Rubber.

The Uganda "Official Gazette" of the 30th October last contains the text of an Ordinance (No. 18 of 1915), which amends the Customs Tariff (Amendment) Ordinance No. 6 of 1910 by revising the duty leviable on rubber exported from the Uganda Protectorate with effect from the 1st November, 1915, as follows :—

Articles.	Rate of Export Duty.	
	Old Rates.	New Rates.
India-rubber (other than plantation rubber) ...	10 % *ad valorem.*	See below.
Rubber (other than plantation rubber)	See above.	4 % *ad valorem.*

(C. 45,336.)

GOLD COAST.

Prohibited Exports: Amended Lists.

Adverting to Notices which have appeared in previous issues of the "Board of Trade Journal" relative to the prohibition of the exportation of certain articles from the Gold Coast under various Proclamations, the Board of Trade have now received copy of a further Proclamation, dated 6th November, 1915, which prohibits the exportation of the undermentioned articles from the Colony as specified :—

To Spain :—

Oleaginous nuts, seeds, kernels, and products of ;
Vegetable oils.

[The exportation of these articles is now prohibited to all foreign ports in Europe, and on the Mediterranean and Black Seas, other than those of France, Russia (except Baltic ports), Italy and Portugal.]

Tariff Changes and Customs Regulations.

GOLD COAST—*continued.*

Exportation of Articles to Netherlands, China and Siam prohibited, except under certain conditions.

The Proclamation also provides for the prohibition of the exportation of all articles to the Netherlands, unless they are consigned to the Netherlands Oversea Trust—provided that this prohibition shall not be deemed to extend to the exportation of such prohibited or restricted goods to a consignee in the Netherlands, the exportation whereof to such consignee may, by special licence, have been duly granted.

Further, the exportation of all articles to China and Siam is prohibited, unless such articles are consigned to such persons as may be duly notified in the "London Gazette." (C. 45,453.)

EGYPT.

Revised Import Tariff Valuations for Metals.

The Egyptian "Journal Officiel" of the 2nd December last contains a Notice (No. 3) giving revised Tariff Valuations for use in assessing duties on certain metals on importation into Egypt, with effect from the 1st December 1915, to 31st January, 1916, or until denunciation, as follows :—

Kind of Metal.	Valuation per kilogramme (2·2046 lbs.).	
	Old Rates.	New Rates.
	*Millièmes.**	*Millièmes.**
Copper and brass sheets, round and bottoms	98	114
Copper sheets, plain	95	111
Copper sheets in rolls, bars, round and flat	95	111
Copper ingots	92	108
Copper wire	*ad valorem.*	*ad valorem.*
Brass wire	"	"
Brass sheets, plain, 24 by 48, 8 lbs. to 5 lbs.	"	"
Tin ingots and bars	150	168
Lead sheets	26	31
Lead shot	27	32
Lead pipe	26	31
Lead, pig...	26	31
Zinc sheets	100	105
Zinc ingots	100	105
Phosphor bronze	100	105
Antimony	130	130
Quicksilver	580	600

Note.—Duty is leviable on the valuations shown at the rate of 8 per cent.
* 1,000 *millièmes* = £E. 1 = £1 0s. 6d.

(C. 45,204.)

Import Tariff Valuations for Petroleum.

The same issue of the "Gazette" contains a Notice (No. 7) giving the Tariff Valuations for use in assessing Customs duties on petroleum on importation into Egypt, with effect from the 1st to the 31st December, 1915, as follows :—

Tariff Changes and Customs Regulations.

EGYPT—*continued.*

Articles.		Import Valuations.	
		£ E.	*Millièmes**
American petroleum	Per case of two cans ...	0	330†‖
	Per pair of cans not in case ...	0	280‡
Safety petroleum	Per case of two cans ...	0	390†‖
Russian petroleum	Per case of two cans ...	0	330†‖
	Per pair of cans not in case ...	0	280‡
Russian and American petroleum, in bulk	Per 1,000 kilogs.	6	800
Roumanian petroleum in bulk ...	" "	6	500
Mazut (liquid fuel) of any origin ...	" "	*ad valorem.*	

Note.—Duty is leviable on the valuations shown at the rate of 4 per cent.

* 1,000 *millièmes* = £E. 1 = £1 0s. 6d.

† Including 60 *millièmes* for the cost of the two cans.

‖ Including 50 *millièmes* for the cost of one case

‡ Including 30 *millièmes* for the cost of each can. (C. 45,206.)

BARBADOS.

Prohibited Exports: Amended Lists.

With reference to Notices which have appeared in previous issues of the "Board of Trade Journal" relative to the prohibition of the exportation of various articles from Barbados under certain Proclamations, the Board of Trade have now received, through the Colonial Office, copy of a further amending Proclamation, dated the 26th October, 1915, which prohibits the exportation of various articles to certain destinations from the Colony, as follows:—

(A) To all destinations, other than the United Kingdom of Great Britain and Ireland, and British Possessions and Protectorates—

Animals, pack, saddle and draught, suitable *or which may become suitable* for use in war;

[The italicised words only are new.]

Bones for manure, dissolved bones, bone flour, bone meal and bone ash;

[In lieu of the item "bone ash."]

Chemicals, &c.—

Chloride of sulphur;

Diamonds, rough, suitable for industrial purposes, *including Brazilian carbon;*

[The italicised words only are new.]

Fustic (chips and extract) and logwood (chips and extract, including haematine crystals and other logwood preparations);

Metals and ores, viz.—

Iron ore, Cumberland haematite;

Whale meal;

(B) To all Foreign Countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal:—

Chemicals, &c.—

Calcium sulphide;

Salts of aluminium (other than alunite and nitrate of aluminium);

[Transferred from Group A.]

China clay (including China stone and potters' clay);

Gas carbon;

Kapok hempen fibre;

Metals and ores, viz.—

Iron ore (*except Cumberland haematite iron ore the exportation of which is prohibited under Group A.*)

[The italicised words only are new.]

[*Note.*—The item "molasses for feeding cattle" is deleted.]

(C. 45,335.)

Tariff Changes and Customs Regulations.

ST. VINCENT.

Exportation of Articles to the Netherlands prohibited, except to the Netherlands Oversea Trust.

The St. Vincent "Government Gazette" (Extraordinary) of the 2nd November last contains a Notice of the same date prohibiting, under the provisions of the "Customs (Exportation Prohibition) Ordinance, 1915," the exportation from St. Vincent of all articles to the Netherlands, except articles consigned to the Netherlands Oversea Trust.

(C. 45,542.)

TRINIDAD AND TOBAGO.

Prohibited Exports: Amended Lists.

Adverting to Notices which have appeared in previous issues of the "Board of Trade Journal" relative to the prohibition of the exportation of certain articles from Trinidad and Tobago under various Proclamations, the Board of Trade have now received copy of a further Proclamation (No. 69 of 1915), dated 21st October last, prohibiting the exportation of the undermentioned articles from the Colony, as follows:—

(A) To all destinations, other than the United Kingdom, British Possessions and Protectorates:—

Animals, pack, saddle and draught, suitable *or which may become suitable* for use in war.
[The italicised words only are new.]
Bones for manure, dissolved bones, bone flour, bone meal, and bone ash.
[In lieu of the item "bone ash"]
Chemicals, drugs, &c.:—
Caustic soda;
Chlorides of sulphur;
Copper nitrate;
[The above are new items.]
Mercury compounds and preparations of (other than nitrate of mercury);
[In lieu of "Mercury salts and preparations of."]
[*Note*—The item "oxides and salts of aluminium" is deleted.]
Diamonds, rough, suitable for industrial purposes, *including Brazilian Carbon.*
[The italicised words only are new.]
Forage and food which may be used for animals:—
Whale meal;
Fustic (chips and extract) and logwood (chips and extract, including hæmatine crystals and other logwood preparations);
Metals and ores, viz.: Iron ore, Cumberland hæmatite;
Sodium;

(B) To all foreign Countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal:—

Chemicals, drugs, &c.:—
Acetic acid;
Aluminium, salts of, other than alunite and nitrate of aluminium;
[Transferred from Group (A).]
Antimony, compounds of, except sulphides and oxides of antimony, (the exportation of which is prohibited to all destinations abroad, other than the United Kingdom, British Possessions and Protectorates);
Calcium sulphide;
Copper, compounds of, except copper nitrate, copper iodide, copper sulphate, and suboxide of copper (the exportation of which is prohibited to all destinations, other than the United Kingdom, British Possessions and Protectorates);
Sodium cyanide;
Sodium sulphide;

Tariff Changes and Customs Regulations.

TRINIDAD AND TOBAGO—*continued.*

(B)—*continued.*

China clay (including China stone and potters' clay);
Gas carbon;
Kapok hempen fibre;
[The above are new items.]

Metals and ores:—
Iron ore (except Cumberland hæmatite iron ore, the exportation of which is prohibited to all destinations abroad, other than the United Kingdom, British Possessions and Protectorates).
[In lieu of the item "Iron ore."] (C. 45,452.)

MAURITIUS.

Exportation of Vesou Crystal Sugar: Amended Prohibition.

Adverting to the Notice which appeared on p. 544 of the "Board of Trade Journal" for the 25th November last relative to the prohibition of the exportation from Mauritius of vesou crystal sugar under Proclamation No. 25 of 1915, the Board of Trade have now received copy of Proclamation (No. 46 of 1915), dated 15th October, which revokes the abovementioned Proclamation.

[*Note.*—It may, however, be pointed out that, under Proclamation No. 12 of 1915, the exportation from the Colony of "foodstuffs" is prohibited to all foreign ports in Europe and on the Mediterranean and Black Seas, other than those of France, Russia (except Baltic ports), Italy, Spain and Portugal.] (C. 45,363.)

STRAITS SETTLEMENTS.

Prohibited Exports: Consolidated and Amended Lists.

Adverting to the Notice which appeared on pp. 404-6 of the "Board of Trade Journal" for the 11th November last, relative to the prohibition of the exportation of various articles from the Straits Settlements under a Proclamation dated 24th September, 1915, and to subsequent amending Proclamatiens, the Board of Trade have now received copy of a further Proclamation, dated 1st November, 1915, which revokes previous Proclamations and, at the same time, prohibits the exportation of various articles to certain destinations from the Colony.

The articles included in the present Proclamation, and the extent to which their exportation is prohibited from the Colony, are, for the most part, similar to those specified in the revoked Proclamations.

The following amendments, however, appear in the present Proclamation:—

(A) To all destinations other than the United Kingdom, British Possessions and Protectorates:—

Bones for manure, dissolved bones, bone flour, bone meal and bone ash;
[In lieu of the item "bone ash."]

Chemicals, drugs, dyes and dye stuffs, medicinal and pharmaceutical preparations and tanning extracts, viz:—
Sulphur, chlorides of;

Fustic (chips and extract) and logwood (chips and extract, including hæmatine crystals and other logwood preparations);

Metals and ores, viz.:—
Iron ore, Cumberland hæmatite.
[The above are new items.]

Tariff Changes and Customs Regulations.

STRAITS SETTLEMENTS—*continued.*

(B) To all foreign Countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal:—

Chemicals, drugs, &c.:—
Aluminium, salts of (other than alunite and nitrate of aluminium, which are already prohibited under Group (A).
[This item has been transferred from Group (A).]
Calcium sulphide;
China clay (including China stone and potters' clay);
Fibre, Kapok hempen;
Gas, carbon.
[The above are new items.]
Metals and ores, viz.:—
Iron ore (*except Cumberland hæmatite iron ore, which is already prohibited under Group (A).*
[The italicised words only are new.]

(C. 45,334.)

FEDERATED MALAY STATES.

Prohibited Exports: Amended Lists.

Adverting to Notices which have appeared in previous issues of the "Board of Trade Journal" relative to the prohibition of the exportation of certain articles from the Federated Malay States under various Notifications, copy of the Federated Malay States Government Gazette (Extraordinary) for the 13th November last has been received, which contains a further Notification (No. 3,317 of 1915) prohibiting the exportation of various articles to certain destinations from the Federated Malay States of Perak, Selangor, Negri Sembilan and Pahang, as follows:—

(A.) To all destinations, other than the United Kingdom, British Possessions and Protectorates:—

Chemicals, drugs, &c.—
Antipyrine (phenazone) *and its derivatives.*
[The italicised words only are new.]
Chromium, compounds of (except bichromate of soda) (which remains in Group "B");
Magnesite and magnesite bricks;
Oil fuel, but not including any such fuel allowed by the Harbour Master to be shipped for use on board the exporting ships;
Jute piece-goods, *jute webbing*, and bags and sacks made of jute.
[The italicised words only are new.]
Mica (including mica splittings *and mica chimneys*) and micanite.
[The italicised words only are new.]

(B) To all foreign Countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic ports), Italy, Spain and Portugal:—

Chemicals, drugs, &c.—
Formic acid;
Sodium carbonate (including soda ash, soda crystals and bicarbonate of soda);
Pepper;
Plywood of all kinds, except ash three-plywood (which is already included under Group "A").

(C. 45,373.)

WEIHAIWEI.

Prohibited Exports: Consolidated and Amended Lists.

Adverting to Notices which have appeared in previous issues of the "Board of Trade Journal" relative to the prohibition of the exportation of certain articles from Weihaiwei under various Proclamations, the Board of Trade have now received copy of a Proclamation, dated 12th October, 1915, revoking

Tariff Changes and Customs Regulations.

WEIHAIWEI—*continued.*

the previous Proclamations and, at the same time, prohibiting, for a period of one year from the above date, the exportation of various articles from the Territory of Weihaiwei.

The list of articles, and the extent to which their exportation is prohibited, are identical with those published in the Notice for Trinidad and Tobago on pp. 79-86 of the Supplement to the "Board of Trade Journal" for the 14th October last, except as regards the following articles, which are included in the present Proclamation:—

(A) To all destinations, other than the United Kingdom, British Possessions, and Protectorates:—

Chemicals, drugs, medicinal and pharmaceutical preparations, viz.:—
Iodide of chloride;
Potash salts (except potassium chlorate, cyanide, nitrate (saltpetre), perchlorate, and permanganate);
[Various "potash salts" are specified in the Trinidad list.]
Chinese copper coins;
Hessian cloth and bags;
Oils and fats, all animal and vegetable, including fatty acids, but not including essential oils;
[This item appears in Group (B) of the Trinidad Proclamation.]
Phosphates of metals, manufactured;
Phosphides;
Phosphoric acid and oxides;
Phosphorus;

The present Proclamation also contains the following items:—

Mercury, *salts* and preparations of (other than nitrate of mercury);
[The word "compounds" instead of 'salts' appears in the Trinidad Proclamation.]
Oxides and salts (*other than chlorates, perchlorates, and nitrates*) of the following metals:—
Aluminium;
Cobalt;
Nickel;
Tungsten;
[The italicised words do not appear in the Trinidad Proclamation.]

(B) To all foreign ports in Europe and on the Mediterranean and Black Seas, other than those of France, Russia (except through Baltic Ports), Italy, Spain and Portugal:—

In the present Proclamation, under the items "Forage and food which may be used for animals" and "Provisions and victuals which may be used as food for man," many articles are specifically prohibited which are prohibited under the general heading of "Forage and feeding stuffs, &c.," in the Trinidad Proclamation.

[*Note.*—The exportation of "Asphalt" is not specifically prohibited from "Weihaiwei."]

(C) To Spain:—

All vegetable oils;
All oleaginous nuts, seeds, kernels and products.
[*Note.*—These items are also prohibited from exportation to other destinations under groups (A) and (B), respectively.

(D) To Bulgaria:—

All goods.
[In this connection reference should be made to the Royal Proclamation of the 16th October, 1915, for which *see* the "Board of Trade Journal" for the 21st October last (p. 169), "extending to the war with Bulgaria the Proclamations and Orders in Council now in force relating to the war."]

(C. 45,594.)

Tariff Changes and Customs Regulations.

NEWFOUNDLAND.

Prohibited Exports: Amended Lists.

With reference to the Notices which have appeared in previous issues of the "Board of Trade Journal"* relative to the prohibition of the exportation of various articles from Newfoundland under Proclamations of the 6th September and 5th October last, respectively, the Board of Trade have now received, through the Colonial Office, copy of a further amending Proclamation, dated 23rd November, 1915, prohibiting the exportation of various additional articles from the Colony to certain destinations, as follows:—

(A) To all destinations:

Animals, pack, saddle and draught, suitable *or which may become suitable* for use in war;
[The italicised words only are new.]
Chemicals, drugs, &c.:—
Antipyrine (phenazone) *and its derivatives;*
[The italicised words only are new.]
Diamonds, rough, suitable for industrial purposes, *including Brazilian carbon;*
[The italicised words only are new.]
Jute piece-goods, *jute webbing*, and bags and sacks made of jute;
[The italicised words only are new.]
Magnesite and magnesite bricks;
Metals and ores, viz.:—
Iron ore, Cumberland hæmatite;

(B) To all destinations abroad, other than the United Kingdom, British Possessions and Protectorates:

Bones for manure, dissolved bones, bone flour, bone meal and bone ash.
[In lieu of the item "bone ash."]
Chemicals, drugs, &c.—
Chlorides of sulphur.
Chromium, compounds of, except chromium acetate, chromium chlorate and chromium nitrate (the exportation of which is already prohibited under Group "A"), and bichromate of soda (the exportation of which is prohibited under Group "C").
Coal, all kinds, and coke, but not including coal, allowed by the proper Customs Authority to be shipped as bunker coal.
[In lieu of "coal (including anthracite, and steam, gas, household and all other kinds of coal) and coke"].
Forage and food which may be used for animals, namely—
Beans, including haricot beans, Burma beans and Rangoon beans.
Compound cakes and meal.
Cottonseed cake, decorticated and undecorticated, and cottonseed meal.
Lentils.
Linseed cake and meal.
Maize.
Malt dust, malt flour, culms, sprouts, or combings.
Patent and proprietary cattle foods of all kinds.
Rice meal (or bran) and dust.
[All the above items under "Forage, &c." have been transferred from Group "A"].
Whale meal.
Fustic (chips and extract) and logwood (chips and extract, including haematine crystals and other logwood preparations.)
Mica (including mica splittings *and mica chimneys*) and micanite.
[The italicised words only are new.]
Oil fuel, but not including any such fuel allowed by the proper Customs Authority to be shipped for use on board the exporting ship.
Provisions and victuals which may be used as food for man, namely—
Milk, condensed *or preserved, whether* sweetened or not.
[The italicised words only are new.]

* *Viz.*, in the Supplement to the "Board of Trade Journal" for the 14th October (pp. 29-36), and in the "Board of Trade Journal" for the 18th November, 1915 (pp. 483-4).

Tariff Changes and Customs Regulations.

NEWFOUNDLAND—*continued.*

(C) To all Foreign Countries in Europe and on the Mediterranean and Black Seas, other than France, Russia (except through Baltic Ports), Italy, Spain, and Portugal :—

Chemicals, drugs, &c.—
- Aluminium, salts of (other than alunite and nitrate of aluminium);
  [Transferred from Group "B."]
- Calcium sulphide;
- Formic acid;
- Sodium carbonate (including soda ash, soda crystals, and bicarbonate of soda);

China clay (including china stone and potters' clay);

Forage and food which may be used for animals, namely :—
- Brewers' and distillers' grains;
- Brewers' dried yeast;
- Cakes and meals, the following, namely :—
  - Coconut and poonac cake;
  - Gluten meal or gluten feed;
  - Maize germs and maize germ meal;
    [In lieu of the item "maize germ meal."]
  - Maize meal and flour;
  - Mill dust and screenings of all kinds;
    [All the above items under "Forage, &c." have been transferred from Group "A." The item "molasses for cattle feeding" has been deleted.]

Gas carbon;

Kapok hempen fibre;

Metals and ores, namely :
- Iron ore (*except Cumberland hæmatite iron ore, the exportation of which is prohibited under Group "A"*
  [The italicised words are new.]

Pepper.

Provisions and victuals which may be used as food for man, namely :
- Bean flour and meal;
- Biscuits, bread and cakes, all kinds of;
- Cornflour;
- Corn grits;
- Hominy;
- Lentil flour and meal;
- Macaroni spaghetti and vermicelli;
- Meat of all kinds (except poultry and game) not including beef and mutton, fresh or refrigerated (the exportation of which is already prohibited under Group "A");
- Pea meal and flour;
- Prepared foods wholly or partially derived from cereals;
- Semolina;

Wood, namely;
- Ply wood of all kinds, except ash three-ply wood (the exportation of which is already prohibited under group "A").

(C. 45,516.)

RUSSIA.

Measures affecting the Exportation of certain Articles.

The Board of Trade are in receipt, through the Foreign Office, of information to the effect that the exportation of *potash* and *paper of all kinds, viâ* all frontiers of the Russian Empire, has been prohibited by a Decree of the Minister of Finance, dated the 14th/27th November and published in the official "Bulletin of Laws" of Petrograd for the 26th November/9th December.

Exceptions from this prohibition may, however, be accorded by the Minister of Finance in favour of Allied and friendly countries.

(C. 45,830.)

Tariff Changes and Customs Regulations.

RUSSIA—*continued.*

The Board of Trade are also in receipt, through the same channel, of information to the effect that, according to the official "Trade Gazette" of Petrograd for the 27th November/10th December, the Minister of Finance has decided to exclude *beetroot seed* from the list of articles which, although prohibited to be exported from Russia, may be exported direct to Allied countries, without special application in the case of each consignment, if shipped in Russian or Allied vessels.

(C. 45,830.)

NORWAY.

Prohibition of Exportation of certain Articles.

The Board of Trade are in receipt, through the Foreign Office, of telegraphic information from H.M. Minister at Christiania to the effect that the exportation of *rubber cement, hemp waste, and hemp tow* from Norway has been prohibited.

(C. 45,832.)

Exportation of Butter Permitted.

The Board of Trade are also in receipt, through the same channel, of telegraphic information to the effect that the prohibition imposed in October last on the exportation of butter from Norway has now been withdrawn.

SWEDEN.

Suspension of Import Duties on certain Cereals and Flour.

With reference to previous notices in the "Board of Trade Journal" respecting the suspension of the Customs duties on wheat and wheat flour and rye and rye flour imported into Sweden, the Board of Trade are now in receipt, through the Foreign Office, of information from H.M. Minister at Stockholm to the effect that the period during which such cereals and flour may be imported duty-free has been prolonged, by a Royal Decree of the 22nd November, until the 30th June, 1916, inclusive. (C. 45,507.)

DENMARK.

Exportation of certain Articles prohibited.

The Board of Trade are in receipt, through the Foreign Office, of information from H.M. Minister at Copenhagen to the effect that the exportation of *old paper* and *paper waste* from Denmark has been prohibited.

NETHERLANDS.

Prohibition of Exportation of certain Articles.

The Board of Trade are in receipt, through the Foreign Office, of telegraphic information from H.M. Minister at The Hague to the effect that the exportation from the Netherlands of *cloverseed*, of *seeds of vetches and of lupines*, and of *old paper* was prohibited by Royal Decrees dated the 18th December. The exportation of *cement* was prohibited by a Decree of the 20th December. (C. 45,532.)

Tariff Changes and Customs Regulations.

FRANCE.

Imports of Coffee and Bananas from French Guinea.

A recent French Customs Circular (No. 4,705) contains a Presidential Decree, dated the 21st August, which fixes as follows the quantities of coffee and bananas, the produce of French Guinea, which may be imported into France from that Colony, under special conditions, between the 1st July, 1915, and the 30th June, 1916:—

Coffee	3,000 kilogrammes.
Bananas	500,000 ,,

[*Note.*—The special conditions referred to above provide for the admission of bananas duty-free, and for the levy of an import duty on coffee at the reduced rate of 58 francs per 100 kilogrammes. These privileges are only granted on condition that the goods are imported direct (*en droiture*).]

Imports from Tunis.

A further Customs Circular (No. 4,713) contains a Presidential Decree, dated the 30th September, fixing at 250,000 hectolitres the quantity of wine of Tunisian origin, made from fresh grapes, which may be admitted into France from the 1st August, 1915, to the 31st July, 1916, at specially reduced rates of duty, in accordance with the Law of the 19th July, 1890.

A further Circular (No. 4,718) contains a Presidential Decree, dated the 26th August, which determines as follows the quantities of beans, livestock, poultry, game, and frozen meat of Tunisian origin, which may under certain conditions* be imported from Tunis into France, free of Customs duty, between the 1st June, 1915, and the 31st May, 1916:—

Beans	8,000,000 kilogs.
Livestock—	
Horses	1,300 head.
Asses and mules	1,300 ,,
Oxen	24,000 ,,
Sheep	50,000 ,,
Goats	1,000 ,,
Pigs	5,000 ,,
Game, alive or dead—	
Wild boar, turtle, &c.	1,500 kilogs.
Poultry	8,000 ,,
Frozen meat—	
Oxen	100 metric tons of meat, equivalent to 1,000 head.
Pigs	140 metric tons of meat, equivalent to 2,000 head.
Sheep	750 metric tons of meat, equivalent to 50,000 sheep.

* To obtain the benefit of duty-free admission the goods must be imported direct into France in a French ship, and must be accompanied by properly authenticated certificates of origin.

Tariff Changes and Customs Regulations.

FRANCE—*continued.*

The Decree also fixes at 10,000,000 francs the total value of goods of Tunisian origin, other than those specified above, which may be imported into France during the same period on payment of the lowest rates of duty leviable on similar foreign products.

FRENCH COLONIES.

Prohibition of Exportation of certain Articles.

The Board of Trade are in receipt, through the Foreign Office, of copy of a French Presidential Decree, dated the 9th December, and published in the "Journal Officiel" for the 14th, which prohibits the exportation from French Colonies and Protectorates (other than Tunis and Morocco), and also the re-exportation therefrom after warehousing, transit or transhipment, or under the "temporary importation" regime, of—

Fruit-stones;
Gum-lacs;
Mica in sheets or leaves, and micanite;
Sacks of all kinds;
Vaseline;
Walnuts, nuts, and almonds.

Exemptions from this prohibition may, however, be accorded under conditions to be laid down by the Minister for the Colonies.

[*Note.*—The exportation of these articles from *France* was prohibited by a Presidential Decree of the 22nd November, 1915.]

(C. 45,829.)

Exportation of Aluminium prohibited, except by Special Permission.

The Board of Trade are also in receipt, through the Foreign Office, of information to the effect that a Ministerial Order has been issued abrogating the provision of the Decree of the 24th February, 1915, in virtue of which *aluminium (metal) pure or alloyed*, was allowed to be exported from French Colonies and Protectorates (other than Tunis and Morocco), without special authorisation, when consigned to France and French Colonies, the United Kingdom, the British Dominions, Colonies and Protectorates, and certain other countries. (C. 45,829.)

FRANCE (FRENCH GUIANA).

Imposition of Import Duties on Common Wood.

A recent French Customs Circular (No. 4717) contains a Presidential Decree, dated the 30th September last, in virtue of which *common wood* imported into French Guiana (which was formerly admitted duty-free) is to be subjected to Customs duties at the rates prescribed by the Customs Tariff of France. (C. 45,260.)

TUNIS.

Prohibition of Exportation of certain Articles.

The Board of Trade are in receipt, through the Foreign Office, of copy of a Beylical Decree, dated the 25th November, and published in the "Journal Officiel Tunisien" for the 1st

Tariff Changes and Customs Regulations.

TUNIS—*continued.*

December, which extends the prohibitions of export and re-export in force in Tunis to cover the following articles :—

Carborundum (silicide of carbon) ;
Corundum, natural, in granules or in powder, artificial corundum or alundum (fused alumina) ;
Emery, pulverised ;
Emery applied on paper or cloth, moulded into wheels, stones, or any other forms (including carborundum, corundum and alundum) ;
Pepper.

[*Note.*—The exportation of these articles from *France* was prohibited by a Presidential Decree of the 11th November, 1915.]

(C. 45,246.)

MEXICO.

Revised Export Duties ; Suspension of certain Import Duties ; Prohibition of Exportation of certain Foodstuffs.

The Board of Trade are in receipt, through the Foreign Office, of copy and translation of a Mexican Decree (dated the 29th September and published in "El Constitucionalista" for the 30th October), which amends the export duties on a large number of articles of Mexican produce, prohibits the exportation of various foodstuffs and cattle from Mexico, and suspends the Customs duties on various articles imported into the country.

(1) *Export duties.*—Article 1 of the Decree contains a long schedule of amended export duties, which was to come into force on the 20th October, 1915. The new export duties apply (*inter alia*) to :—animals (living) ; beans ; chicle (gum) ; coffee ; cotton ; henequen, ixtle and ramie fibres, flax, &c. ; hides and skins (raw or prepared) ; vanilla ; building, cabinet and dye woods ; tobacco ; &c., &c. The schedule may be seen, on application, at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

(2) *Prohibitions of export.*—Article 3 of the Decree (in force since the 29th September last), totally prohibits the exportation of rice, kidney beans (*frijoles*), maize, wheat and flour ; and provides that dried peas, barley, chickpeas, broad-beans, lentils, bran, sugar, and cattle may only be exported from Mexico subject to a special permit being obtained from the Ministry of Finance in respect of each consignment.

(3) *Suspensions of import duties.*—Article 5 of the Decree suspends, until further notice, the Customs duties on the following articles imported into Mexico :—

Meat, fish and shellfish, dried, smoked, salted or salt-pressed (Tariff No. 5) ;
Preserved foodstuffs of animal origin (Tariff No. 34) ;
Lard (pigs') (Tariff No. 37) ;
Rice (Tariff No. 93) ;
Oats in the grain, and bruised barley (Tariff No. 94) ;
Fresh fruit, kitchen garden produce, vegetables and tubers, unspecified (Tariff No. 101) ;
Maize (Tariff No. 103) ;
Unspecified seeds and grain used for food (Tariff No. 104) ;

Tariff Changes and Customs Regulations.

MEXICO—*continued.*

Olive oil in tins (Tariff No. 123);
Sugar, common (not including candy or refined sugar) (Tariff No. 125);
Cakes, biscuits, etc. (Tariff No. 129);
Flour of wheat and other cereals, and unspecified feculae used for food (Tariff No. 130);
Alimentary pastes made from flour (Tariff No. 132);
Common soap, unscented and not suitable for toilet use (Tariff No. 693). (C. 45,664.)

SHIPPING AND TRANSPORT.

BRITISH CARGO STEAMSHIP SERVICES.

Information regarding British cargo steamship services, trading between the United Kingdom and all ports of the world, may be obtained on application to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C. Firms making written application for information are requested to state their requirements clearly, particularly indicating the ports or districts between which cargo is to be carried.

DETENTION OF CARGOES AND VESSELS BY H.M. ARMED FORCES.

The "London Gazette" of 24th December publishes the following further list of ships whose cargoes, or part of them, have been detained by H.M. Armed Forces:—

Name of Vessel.	Nationality.	Cargo detained at
Ceres	Danish	Leith
Erviken	Norwegian	Sharpness
Hallingdal	Norwegian	Lerwick
Hardanger	Norwegian	Hull
Island	Danish	Leith
Kronprinz Gustav	Swedish	Greenock
Parana	Brazilian	Leith
Rio Branco	Brazilian	Bristol
Scandinavia	Swedish	Stornoway

The same issue of the "Gazette" notifies that the Swedish vessel "Jemtland" (3,074 tons) has been detained at Liverpool.

UNITED KINGDOM. SWEDEN. RUSSIA.

New Line of Steamers between Goole and Hull and Gothenburg.

The Commercial Intelligence Branch of the Board of Trade has been notified by Messrs. Johnson, Englehart and Co., of Kingston Chambers, Prince's Dock Side, Hull, that they are acting as agents for a new service of steamers running in regular cargo trade between Goole and Hull and Gothenburg, taking cargo, &c. to all inland towns in Sweden.

Shipping and Transport.

UNITED KINGDOM. SWEDEN. RUSSIA—*continued.*

At present three steamers are employed on this route, *viz.*: Ss. "Venus," "Fagertun" and "Mercur," all of neutral nationality. There will be weekly sailings to and from Goole. (C.I.B. 59,265.)

CANADA.

Steamships of Scandinavia and Japan admitted to Coasting Trade of Eastern Canada.

The office of H.M. Trade Commissioner in Canada reports that an Order-in-Council, dated 27th November, 1915, has been issued providing that steamships of not less than 2,000 tons gross tonnage of the following countries, namely, Norway, Sweden, Denmark and Japan, shall be admitted to the coasting trade of Canada, in the carrying of goods and passengers coastwise between any port in the Provinces of Quebec, Nova Scotia, New Brunswick or Prince Edward Island, or *vice versâ*, on the same terms and conditions as are applicable to Canadian vessels, for a period of one year from 1st January, 1916. (C.I.B. 58,404.)

NIGERIA.

Road Transport.

The Comptroller of Customs at Lagos (the Board of Trade Correspondent for Nigeria) reports that there is now a metalled road between Kano and Katsena, a distance of 95 miles, and that it is probable that an attempt will be made in 1916 to establish motor transport between these two centres.

The cost of camel and ox transport is placed at 6d. per ton mile, but this is considered to be an outside figure, and it has been estimated to be as low as 2d.

The French at present pass their goods from Kano to Gumel, thence across the boundary, and the same route will probably be used in 1916, while it is said that Zinder, which is about 130 miles north of Kano, will also be served direct from Kano next year.

European merchants, the Comptroller suggests, might consider whether it would not pay to arrange for efficient and reliable cart services along trade routes which, though unmetalled, are suitable for carts specially constructed for use on sandy tracks. It will take some years to metal the trade routes and arrange motor services, while carts can be used at once, and a cart service will pay where a motor service is impossible. (C.I.B. 57,920.)

PORTUGUESE EAST AFRICA.

Port Regulations and Charges at Lourenço Marques.

The Commercial Intelligence Branch of the Board of Trade is in receipt of a copy of "Regulations for the Use and Control of the Wharves of Lourenço Marques," containing information regarding the berthing and removal of vessels at that port, loading and unloading operations, the storage of goods, tariffs of charges, &c.

Shipping and Transport.

PORTUGUESE EAST AFRICA—*continued.*

The above-mentioned copy of the Regulations (in English) may be consulted by United Kingdom shippers and shipowners at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

UNITED STATES OF AMERICA (PANAMA CANAL ZONE).

Private Coal and Oil Depôts.

The Acting British Consul at Colon (Mr. P. Helyar) has forwarded a copy of a circular, issued by the Governor of the Panama Canal, giving an outline of the policy decided upon by the Canal Administration in regard to applications by coal and fuel oil companies for the establishment of private coal and oil depôts on the Isthmus.

While the United States Government is establishing plants for supplying coal, fuel oil, &c. to shipping, it is not intended to prevent private interests from *selling* coal and fuel oil to shipping. Coal and fuel oil may be brought into the Canal Zone by individuals and companies without the payment of duty, unless such coal or fuel oil is disposed of for use outside the Canal Zone and within the territory of the Republic of Panama.

As it is the policy of the United States to retain complete control of the terminals, water frontage, and transportation by land and water across the Isthmus, an individual or company would not be warranted from a business standpoint in making, under the terms of a revocable licence, a large expenditure for dredging, wharf construction and similar improvements. The Government plants are being laid out so as to afford ample wharf room, and to provide ample modern coal and oil handling machinery, and, so far as coal is concerned, a certain area at each plant has been set aside for the private storage of coal which will be served by the Government's coal handling machinery with the same convenience as the area occupied by the Government coal pile. The Canal Administration will reimburse itself for cost of plant, &c. at rates apportioned among all who use these facilities. On account of lack of storage space and coal handling machinery, no arrangements can be made that will permit individuals and companies participating in Panama Canal coal business prior to the completion of the permanent plants. The Cristobal plant will be completed early in 1916 and the Balboa plant next July.

As regards fuel oil, the Government installations are completed, including cribs, oil handling plants, pipe lines, manifolds, &c. Applications can be made at any time for the lease of lots in the tank farms at Mount Hope and Balboa. (Reference should be made to the notice on p. 914 of the "Board of Trade Journal" of 23rd September last as regards rules governing the erection of oil tanks, storage of fuel oil, forms of licences, &c.) (M. 34,299.)

MINERALS, METALS, AND MACHINERY.

SOUTH AFRICA.

American Competition in Motor Cars.

H.M. Acting Trade Commissioner in South Africa (Mr. H. E. Gauntlett) reports that, according to the "South African Mining Journal" (Johannesburg) of 6th November, United States firms are undoubtedly pushing trade in South Africa in medium class motor cars. Already New York firms are arranging to send the most up-to-date cars; they give tempting financial facilities.

(C.I.B. 57,933.)

The Imperial Trade Correspondent at Johannesburg (Lt. Col. C. A. C. Tremeer, D.S.O) calls attention to the following statement regarding the increased prospects for the mica industry in the Komati Poort neighbourhood, which appears in the "South African Mining Journal" of 13th November:—

Improved Prospects for Mica Industry.

The advent of the railway in the low country between Zockmakaar and Komati Poort has improved the prospects of the mica industry in these parts. On one property a considerable amount of work has been done at one time and another, and the products are being shipped to the United Kingdom in fairly large quantities. Mica deposits have also been located adjacent to the line of railway by other owners, and operations are likely to be begun on one or more at an early date. There is no doubt a good and lasting market for the better qualities of sheet mica, and sheets sent from some parts of the pegmatite belt have fetched prices locally which have been as high as those obtained for the best Madras product. Prices ranging from 3s. 6d. to 15s. per lb. have been paid in Johannesburg for some of the best prepared mica.

(C.I.B. 57,926.)

TEXTILES AND TEXTILE MATERIALS.

UNITED KINGDOM.

Cotton Statistics.

The number of bales of cotton **imported** into the United Kingdom during the week ended 23rd December, 1915, was 112,434 (including 53 bales British West Indian), and the number imported during the fifty-one weeks ended 23rd December, 1915, was 5,028,418 (including 5,049 bales British West Indian, 6,794 bales British West African, 30,772 bales British East African, and 2,390 bales foreign East African). The number of bales **exported** during the week ended 23rd December, 1915, was 4,057, and during the fifty-one weeks 583,673.

For further details see p. 919.

Textiles and Textile Materials.

BRITISH INDIA.

Exports of Raw Jute in 1914-15.

According to the Report of the Director of Statistics to the Indian Government, reviewing the trade of British India in the year ended 31st March, 1915, the exports of raw jute in 1914-15 amounted to 2,828,532 bales, valued at £8,600,000, as compared with 4,303,325 bales valued at £20,500,000 in the previous year. The decrease was, therefore, 34 per cent. in quantity, and 58 per cent. in value. By far the largest quantity went to the United Kingdom, *viz.*—1,487,248 bales; Germany, hitherto the second largest purchaser, took 168,174 bales in the first four months of the year; and the exports to the United States amounted to 454,244 bales. The exports of raw jute to the principal importing countries were as shown in the following table:—

To	1913-14.	1914-15.
	Bales.	Bales.
United Kingdom	1,626,067	1,487,248
Germany	886,928	168,174
Austria-Hungary	256,072	64,882
Italy	211,512	232,433
France...	407,165	191,492
Spain	118,613	140,745
United States...	659,366	454,244

Exports of Jute Manufactures in 1914-15.

During the year 1914-15 there were 70 jute mills employing 37,830 looms and 795,528 spindles in British India, and towards the end of the year the Calcutta mills were never in a more prosperous state. The exports of jute manufactures from British India in 1914-15 amounted in value to £17,213,467 as compared with £18,848,733 in the preceding year. It will be noticed from the following table, which shows the quantities and values of jute manufactures exported, that the decline in the value of the trade was not due to smaller volume, but to a great decrease in the price of finished goods in sympathy with lower prices of the raw material:—

—	1913-14.		1914-15.	
	Quantity.	Value.	Quantity.	Value.
		£		£
Gunny bags ... ...No.	369,000,000	8,353,400	398,000,000	8,396,267
Gunny cloth ... yards	1,061,000,000	10,396,133	1,057,000,000	8,739,400
Other jute goods (including twist and yarn)... cwts.	83,000,000	99,200	64,000,000	77,800
Total	—	18,848,733	—	17,213,467

Textiles and Textile Materials.

RUSSIA.

Cotton Crop; Supply and Demand for Cotton.

H.M. Commercial Attaché in Petrograd (Mr. H. Cooke) reports that the "Torg-Prom. Gazeta" (Petrograd) of 15th/28th November, in a detailed report of this year's cotton crops in Russian Central Asia, states that as a result of the favourable weather conditions prevailing during the year, and of an increase of about 10 per cent. in the area sown, the yield in quantity is not less than 15 per cent. above that of last year, which was also a very satisfactory one. In quality the new crop is fully satisfactory. The fibre everywhere is better than last year's, being long, soft and silky, of good white colour, and for the most part stronger than the previous crop. This favourable report, which is fully confirmed by data of the Kokand Bourse Committee and those of the Statistical Bureau of the Turkestan Agricultural Department, entitles this year's crop to be described as excellent both in quality and quantity, It is all the more welcome, at a moment when the home spinning industry for the first time may possibly be forced to supply itself with the necessary raw material from Russian sources, *i.e.* from the Central Asian territories and from the Caucasus, where, too, this year's yield is a very good one.

The issue of the "Gazeta" of 11th/24th November publishes a lengthy signed article on the Russian supply of and demand for cotton for the season 1915/16. The total demand for cotton, including that required for the manufacture of explosives, is worked out at 23,000,000 pouds. The stocks in hand on 25th August/7th September were 9,013,000 pouds, or, allowing 5,750,000 pouds as three months' supplies for normal current needs, the balance available for the season 1915/16 will be 3,263,000 pouds. Adding to this the new Central Asian crop (16,740,000 pouds) and the Caucasian (1,715,000 pouds) the total supplies will be 21,718,000 pouds. This leaves a balance to be obtained from abroad of 1,282,000 pouds which could be supplied by foreign cotton coming *viâ* Asiatic frontiers (usual import 2,000,000 pouds) and by American and Egyptian supplies. The possibility of supplies *viâ* Asiatic frontiers is doubtful under present conditions, but in any case the Russian cotton spinning industry should be able to curtail considerably its import of foreign fibre as compared with previous years.

Note.—The import of foreign cotton into Russia in 1912 amounted to 10,981,000 pouds, and in 1913 to 12,021,775 pouds. The import in 1913 included 4,739,670 pouds from the United States; 2,798,898 pouds from Germany; 1,611,540 pouds from Persia; 969,505 pouds from the United Kingdom; and 830,457 pouds from Turkey.

The annual consumption of foreign as compared with Russian cotton by the Russian textile industries is shown in the following table:—

Textiles and Textile Materials.

RUSSIA—*continued.*

Season.	Foreign cotton.	Russian cotton.	Total.
	Pouds.	Pouds.	Pouds.
1910/11	11,945,000	13,925,000	25,870,000
1911/12	12,293,000	13,420,000	25,713,000
1912/13	10,840,000	13,101,000	23,941,000

1,000 pouds = 16 tons (about). (C. 45,322.)

Hemp Crop in 1915.

H.M. Commercial Attaché at Petrograd also reports that the "Torg.-Prom. Gazeta" (Petrograd) of 19th November/2nd December describes this year's hemp crop in Russia as satisfactory, but somewhat less than last year's. In the Governments of Penza, Simbirsk and Kaluga the yield is a good one, 5 to 15 per cent. above that of last year, while in those of Tchernigov and Poltava it is 5 to 20 per cent. below last year's. In some districts of the Governments of Viatka and Voronezh the yield is not fully satisfactory. In the remaining hemp-growing Governments the crop is satisfactory, being about equal to last year's. In quality the yield is satisfactory, the fibre in many places exceeding last year's in length, strength, colour and elasticity; coarse and short qualities are rare. (C. 45,125.)

AGRICULTURAL & FOREST PRODUCTS.

UNITED KINGDOM.

Corn Prices.

The prices of British corn per quarter of 8 bushels, as received from the Inspectors of Corn Returns in the week ended 25th December, 1915, were as follows :—

Wheat	53s. 10d.
Barley	47s. 2d.
Oats	30s. 7d.

For further particulars see p. 919.

☛ For notices relative to raw materials for textiles *see* under Textiles and Textile Materials.

BRITISH INDIA.

Imports of Sugar in 1914-15.

In his Review of the Trade of India in 1914-15, the Director of Statistics of British India states that the year was an eventful one for the sugar trade. In the year ended 31st March, 1915, the imports amounted in value to £7,000,000, as compared with £10,000,000 in the previous year. This was 54 per cent., in place of 60 per cent. in 1913-14, of

Agricultural and Forest Products.

BRITISH INDIA—*continued.*

the aggregate value of the class of imports "food, drink and tobacco." The total quantity of sugar (including confectionery and molasses) imported was 550,000 tons, of which some 21,500 tons represented beet sugar. Cane sugar fell from 728,200 tons in 1913-14 to 406,600 tons, a decrease of 44 per cent. The imports of cane sugar from Java and Mauritius decreased by 266,200 tons or 46 per cent., and 57,900 tons or 41 per cent. respectively, as compared with 1913-14. A small consignment of 500 tons of Egyptian sugar, valued at 160,000 rupees, was imported into Calcutta, and one of 1,995 tons, worth 581,000 rupees, into Bombay towards the end of the year. A small consignment of 700 tons of refined cane sugar was also imported from Japan.

The following table shows the quantities of sugar imported in 1913-14 and 1914-15, and the principal countries of supply :—

—	1913-14.		1914-15.	
	Quantity.	Value.	Quantity.	Value.
Beet—	Tons.	Rupees.	Tons.	Rupees.
Austria-Hungary ...	74,001	13,767,000	21,405	3,836,000
Germany	686	124,000	103	18,000
Other countries ...	47	14,000	14	4,000
Total	74,734	13,905,000	21,522	3,858,000
Cane—				
Java	582,995	102,677,000	316,748	74,591,000
Mauritius	139,568	25,013,000	81,718	17,029,000
Other countries ...	5,681	1,290,000	8,108	2,279,000
Total	728,244	128,980,000	406,574	93,899,000

Sugar Production in 1914-15.

Serious attempts are being made to improve the Indian sugar position, and to remove the stigma that India (which is the largest producer of sugar cane in the world) is importing increasing quantities of cane sugar from other countries at the expense of her home industry. India now imports in normal years about 10 per cent. of the total supply of cane sugar outside India. The production of cane sugar in British India in 1914-15 was estimated at 2,367,000 tons on an area of 2,315,000 acres, the production showing an increase of 3 per cent. but the area a decrease of 9 per cent. as compared with the previous year's figures. An addition of about 14,300 tons should be made for the non-reported cane area and of about 300,000 tons representing the produce from date and palmyra palm sugar. Bengal produced about 90,000 tons of date and palmyra palm sugar; the figures for other Provinces are not available.

Rupee = 1s. 4d. at par.

MISCELLANEOUS.

VENEZUELA.

Trade during Year ended 30th June, 1915.

H.M. Minister at Caracas reports, under date 20th November, that a falling-off in the import and export trade of Venezuela since the war began is noticeable, though of late trade has improved. Imports from the United States have increased proportionately at the expense of other exporting countries since the outbreak of war.

The total value of imports into Venezuela during the twelve months ended 30th June, 1915, was £2,336,663 as compared with £3,489,548 in 1913-14, and the value of the exports was £4,103,761 in 1914-15 as compared with £5,401,697 in the preceding year.

The following table, based on statistics taken from an official publication, shows the share of the principal countries in the trade of the Republic in the two years ended 30th June, 1914 and 1915 :—

—	Imports into Venezuela.		Exports from Venezuela.	
	1913-14.	1914-15.	1913-14.	1914-15.
	£	£	£	£
United States	1,137,805	1,346,402	1,767,183	2,488,834
United Kingdom and Colonies	835,189	423,262	382,260	331,580
Netherlands and Colonies ...	351,437	196,838	170,085	366,150
Italy	109,913	110,214	38,076	114,855
France and Colonies	220,000	90,226	1,729,938	474,996
Spain and Colonies	116,360	89,576	261,131	213,406
Germany	494,058	59,165	854,068	43,811

(C. 45,084.)

JAPAN (COREA).

Report on Economic and Industrial Progress.

The Commercial Intelligence Branch of the Board of Trade is in receipt of a copy of the Report for 1913-14 on the Reforms and Progress in Chosen (Korea), compiled by the Government-General of Chosen. This comprehensive report deals with administration, finance, currency, engineering works, communications, agriculture, trade and industry, mining, forestry, fisheries, education, &c. Statistical tables relating *inter alia* to the trade of Corea during the last ten years, shipping, &c., are appended to the Report, while a large map of the Territory and a number of illustrations are also included.

The above-mentioned copy of the Report may be consulted by United Kingdom firms interested at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

GOVERNMENT PUBLICATIONS.*

TRADE RETURNS OF THE UNITED KINGDOM.

The Monthly Accounts relating to the Trade and Navigation of the United Kingdom for the month of November, 1915, have been published. The accounts, which are issued on the 7th or 8th of each month, may be purchased* at a cost, in the present instance, of 1s. 6d. per copy (post free 1s. 11d.).

Attention is further called to the fact that the "Annual Statement of the Trade of the United Kingdom with Foreign Countries and British Possessions" for the year 1914 has been issued in two volumes, and may be purchased* at a cost of 5s. 9d. (post free 6s. 3d.) for the first volume and 4s. 2d. (post free 4s. 8d.) for the second. This publication, which contains much more detailed and exhaustive information than can be given in the Monthly Accounts, gives in the first volume abstract tables for the years 1909–1913, and detailed statements of imports and exports of each article consigned from and to each country; and in the second volume details as to Customs revenue, transhipments and articles in bond, with particulars of the trade of the United Kingdom with each foreign country and British Possession, and of the trade at each port of the United Kingdom.

BOARD OF TRADE LABOUR GAZETTE.

The "Board of Trade Labour Gazette"* is published (price 1d.) by the Board of Trade about the 16th of each month. The following are among the more important contents of the December issue:—State of the Labour Market in the United Kingdom for November; Employment in Germany in October; Retail Food Prices in the United Kingdom, Berlin, and Italy; Industrial Canteens; Sunday Labour in Munition Works.

OTHER GOVERNMENT PUBLICATIONS.

Passenger Movement from and to the United Kingdom. November. [*Cd.* 7,808–X.] *Price* ½*d.*

Return showing for the month and eleven months ended November in each of the years 1914 and 1915:—

(1) The numbers of the passengers that left permanent residence in the United Kingdom to take up permanent residence in places out of Europe, and the numbers that arrived from places out of Europe to take up permanent residence in the United Kingdom; and

(2) The numbers of the passengers that left, or arrived in, the United Kingdom for, or from, places out of Europe; and the numbers of passengers between the United Kingdom and ports on the Continent of Europe, or within the Mediterranean Sea.

* Copies of Government publications may be purchased, either directly or through any bookseller, from Wyman and Sons, Ltd., 29, Bream's Buildings, Fetter Lane, London, E.C.; and 54, St Mary Street, Cardiff; or H.M. Stationery Office (Scottish Branch), 23, Forth Street, Edinburgh; or E. Ponsonby, Ltd., 116, Grafton Street, Dublin; or from the Agencies in the British Colonies and Dependencies, the United States of America, and other foreign countries of T. Fisher Unwin, Ltd., London, W.C.

Government Publications.

FOREIGN OFFICE REPORTS.

THE following Reports of H.M. Diplomatic and Consular Officers which have been issued in the Annual and Miscellaneous Series since the 1st January, 1915, may be obtained, either directly or through any bookseller, from the usual Sale Agents for Government Publications (see list on Cover).

The titles of the Miscellaneous Series are printed in italics.

No.	Place.	Price.
	EUROPE—	
	Bulgaria:	
5506	Bulgaria, 1914	1½d.
	Denmark and Colonies:	
5465	Denmark, 1913	2½d.
5485	St.Thomas and St.Croix,1914	1d.
	France and Colonies:	
5444	Algeria, 1913	4d.
5462	Brest 1914	1½d.
5524	Calais, 1914	1d.
5457	Corsica, 1914...	½d.
5423	Dakar (recent years) ...	3d.
5494	French Congo, 1912-13 ...	1½d.
5435	Nice, 1913	1d.
5505	Pondicherry and Karikal, 1914...	1d.
5530	Réunion, 1914	1d.
5439	Rouen, 1913	4d.
5442	Saigon, 1913...	2d.
5531	Trade of Vice-Consular Districts in Consular District of Havre, 1914	1½d.
	Germany and Colonies:	
5441	German East Africa, 1912-13	3½d.
5466	Samoa, 1913...	1d.
5417	Togoland, 1913	½d.
	Greece:	
5495	Corfu, 1914	2d.
5483	Piræus, 1914...	2½d.
5449	Salonica, 1913	2d.
5429	Thessaly, 1913	1½d.
	Italy and Colonies:	
5426	Bengasi, 1913	1½d.
5448	Finances of Italy, 1914 ...	2d.
5491	Italy, 1914	2d.
5438	Milan, 1913	3d.
5528	Rome, 1914	1½d.
	Netherlands and Colonies:	
5523	Rotterdam, 1914	3½d.
5456	Surinam, 1913	1d.
	Norway:	
5464	Norway, 1913	4d.
5534	Norway (Supplementary) 1913...	1½d.

No.	Place.	Price.
	EUROPE *continued—*	
	Portugal and Colonies:	
5529	Angola, 1914...	1½d.
5492	Azores, 1914	1½d.
5484	Chinde, 1914	1½d.
5488	Goa, 1913–14	½d.
5514	Lisbon, 1914	2½d.
5486	Madeira, 1914	½d.
5418	Portuguese Guinea, 1913 ...	1d.
5496	San Thomé and Principe, 1914...	1d.
5497	Southern Angola, 1914 ...	1d.
	Russia:	
5454	Batoum, 1914	3d.
5415	Moscow, 1913	4½d.
5432	Riga	3½d.
5436	Odessa, 1913...	5d.
	Spain and Colonies:	
5440	Spain, 1913	3d.
5453	Canary Islands, 1914 ...	2d.
5519	Gulf of Guinea, Spanish Possessions, 1914 ...	1½d.
	AFRICA—	
	Abyssinia:	
5422	Abyssinia, 1913	2½d.
5421	Gambela, 1913	1d.
5420	Harrar, 1913...	1d.
	Belgian Congo:	
5493	Belgian Congo, 1913 ...	2½d.
5520	Katanga, 1914	1d.
	Egypt:	
5502	Alexandria, 1914	4d.
5474	Port Said, 1914	2d.
	Morocco:	
5467	Morocco, 1913	4d.
	Tunis.	
5431	Tunis, 1913	3d.
	ASIA—	
	China:	
5490	Amoy, 1914	1½d.
5507	Canton, 1914	1d.
5489	Changsha, 1914	2d.
5424	China, 1913	3d.
5472	Chingkiang, 1914	1½d.
5461	Foochow, 1914	2d.

Government Publications.

Foreign Office Reports—*continued.*

No.	Place.	Price.
	ASIA *continued*—	
	China *continued*—	
5460	Hangchow, 1914	1½d.
5463	Ichang, 1914...	1½d.
5471	Kiukiang, 1914	2d.
5509	Kiungchow, 1914	1½d.
5455	Nanking, 1914	2d.
5480	Shanghai, 1914	11½d.
5479	Shasi, 1914	1½d.
5468	Swatow, 1914	½d.
5470	Teng Yueh, 1914	1d.
5469	Tientsin, 1914	1½d.
5517	Tsinan and Tsingtau, 1914...	½d.
5499	Wuchow, 1914	1½d.
5498	Wuhu, 1914	1½d.
	Corea:	
5500	Corea, 1913	3½d.
	Japan:	
5508	Dairen, 1914...	2½d.
5487	Formosa, 1914	2½d.
5503	Japan, 1914	5½d.
5478	Hakodate, 1914	2d.
5445	Nagasaki, 1913	2d.
5510	Osaka, 1914	2½d.
5516	Shimonoseki	3½d.
	Muscat:	
5473	Muscat, 1913–14	2½d.
	Persia:	
5450	Arabistan, 1913-14	2d.
5433	Bahrein Islands, 1913–14 ...	2½d.
5425	Bunder Abbas, 1913-14 ...	2d.
5430	Bushire, 1913–14	3½d
5521	Isfahan, 1913-14	3½d.
5482	Kerman, 1913–14	1½d.
5419	Kermanshah, 1913-14 ...	1d.
5481	Khorasan, 1913–14	2d.
5515	Persia, 1913-14	1½d.
	Siam:	
5428	Bangkok, 1913-14	2½d.
5446	Chiengmai, 1913	2d.
5447	Senggora, 1913-14	2d.
	NORTH AMERICA—	
	Mexico:	
5522	Vera Cruz, 1914	1d.
	United States & Colonies:	
5504	Chicago, 1914	3d.
5434	Galveston, 1913	3d.
5459	Hawaii, 1913-14	1d.
5443	New Orleans, 1913	3d.
5513	Philippine Islands, 1914 ...	2d.
5512	St. Louis, 1914	3d.
	SOUTH AMERICA—	
	Argentina:	
5458	Rosario (recent years) ...	1½d.
	Bolivia:	
5416	Bolivia, 1913	3d.
	Brazil:	
5451	Brazil, 1912-13	2½d.
5526	Pará, 1914	2d.
	Chile:	
5476	Antofagasta, 1914	1d.
5452	Coquimbo, 1914	1½d.
	Colombia.	
5437	Bogotá, 1909–13	3d.
	Nicaragua:	
5427	Nicaragua, 1911-13... ...	1½d.
	Peru:	
5501	Iquitos, 1914	1½d.
	Venezuela:	
5532	Caracas, 1913-14	3d.
5518	Ciudad Bolivar	1½d.
	WEST INDIES—	
5477	Dominican Republic, 1914...	2½d.

Government Publications.

COLONIAL OFFICE REPORTS.

The following Reports relating to H.M. Colonial Possessions, issued since 1st January, 1915, may be obtained, either directly or through any bookseller, from the usual Sale Agents for Government Publications (see list on Cover):—

No.	Place.	Price
	Annual—	
827	British Honduras, 1913	2d.
828	Colonial Survey Committee, 1913-14...	2½d.
829	Tongan Islands Protectorate, 1913-14	2d.
830	Swaziland, 1913-14	2½d.
831	Uganda, 1913-14	2d.
832	Nyasaland, 1913-14	2½d
833	British Guiana, 1913-14	2d.
834	Entomology Imperial Bureau, 1914	1d.
835	St. Vincent, 1913-14	2d.
836	St. Lucia, 1913-14	2d.
837	Somaliland, 1913-14	2d.
838	Straits Settlements, 1913	2d.
839	Cayman Islands (Jamaica), 1913-14	1d.
840	East Africa Protectorate, 1913-14	4½d.
841	Leeward Islands, 1913-14	4½d.
842	Gilbert and Ellice Islands Protectorate, 1912-14	1d.
843	Zanzibar, 1914	2½d.
844	Turks and Caicos Islands, 1914	1d.
845	Weihaiwei, 1914	2d.
846	Seychelles, 1914	2d.
847	St. Helena, 1914...	1½d.
848	Fiji, 1914	2½d.
849	Bahamas, 1914-15	2½d.
850	Gibraltar, 1914	2d.
851	Sierra Leone, 1914	3d.
852	Grenada, 1914	2½d.
853	Bermuda, 1914	—
854	Malta, 1914-15	2½d.
855	Ceylon, 1914	3½d.
856	Hong Kong, 1914	4d.
857	Bechuanaland Protectorate, 1914-15...	1d.
858	Basutoland, 1914-15	2d.
859	Gold Coast, 1914...	3d.
860	Jamaica, 1914-15	3d.
861	Gambia, 1914	1½d.
862	Straits Settlements, 1914	3d.
864	Ashanti, 1914	3d.
865	Cyprus, 1914-15	3d.
866	Swaziland, 1914-15	3d.
867	Somaliland, 1914-15	2d.
868	British Honduras, 1914...	2d.
869	British Solomon Islands, 1914-15	½d.
870	Tongan Islands Protectorate, 1914-15...	1½d.
	Miscellaneous—	
90	St. Vincent: Report on the Administration of the Roads and Land Settlement Fund, 1st January, 1911, to 31st March, 1914	1½d.

FOREIGN & COLONIAL PUBLICATIONS.

The following is a list of the more important Articles on trade subjects contained in the Foreign and Colonial Publications recently received and filed for reference at the Commercial Intelligence Branch of the Board of Trade, and which are open to inspection in the Reading Room of the Branch at 73, Basinghall Street, London, E.C.:—

NEWSPAPERS AND PERIODICALS.

Agricultural, Dairy and Forest Products.

Lumber Trade of British Columbia.
Commerce Reports (Washington), 1st Dec.

Refined Sugar: Venezuelan Trade.
Commerce Reports (Washington), 27th Nov.

Lime Growing in Jamaica.
"*Journal of the Jamaican Agricultural Society*" (Kingston), Nov.

United States Cotton Crop, 1914.
Commerce Reports (Washington), 26th Nov.

Sisal Hemp Industries in Manila and Brazil.
Commerce Reports (Washington), 3rd Dec.

Jamaican "Wet Sugar."
"*Journal of the Jamaican Agricultural Society*" (Kingston), Nov.

Sugar Beet Crop in the United States.
Commerce Reports (Washington), 4th Dec.

Metals, Mining and Minerals.

Molybdenum and Tungsten Deposits (New) in Chile.
Commerce Reports (Washington), 4th Dec.

Magnetic Separations in Sardinia.
"*Mining Journal*" (New York), 4th Dec.

Brown Coal Market in Mid-Germany.
"*Börsen Zeitung*" (Berlin), 11th Dec.

Mineral Oil Industry in Austria.
"*Börsen Zeitung*" (Berlin), 11th Dec.

Iron and Steel Tax, proposed, in the United States.
"*Iron Age*" (New York), Dec.

Railways, Shipping and Transport.

Argentine and Uruguayan Railways: Traffic Receipts.
"*Review of the River Plate*" (Buenos Aires), 26th Nov.

Urgent Need of Ships for United States Exports.
"*Journal of Commerce*" (New York), 9th Dec.

Textiles and Textile Materials.

Profits of Indian Cotton Mills.
Commerce Reports (Washington), 29th Nov.

Commercial, Financial and Economic.

Japan: Economic Conditions.
Supplement to Commerce Reports (Washington), 26th Nov.

Canada: Natural Resources.
"*Journal of Commerce*" (Montreal), 30th Nov.

Dutch East Indies: Economic Conditions.
Supplement to Commerce Reports (Washington), 30th Nov.

Leipzig: Industrial Reports.
"*Handelsberichten*" (The Hague), 16th Dec.

German East Africa: Mining and Railway Prospects.
"*South African Mining Journal*" (Johannesburg), 20th Nov.

Corea and Formosa: Trade conditions in 1914.
Supplement to Commerce Reports (Washington), 2nd Dec.

Nicaragua: Trade.
Supplement to Commerce Reports (Washington), 1st Dec.

Canada: Industrial Conditions, October, 1915.
"*Labour Gazette*" (Ottawa), Nov.

Nova Scotia: Labour Legislation.
"*Labour Gazette*" (Ottawa), Nov.

United States International Trade Conference.
"*Iron Age*" (New York), 9th Dec.

South America: Exports to Argentina, Chile, and Uruguay from New York, September, 1915.
"*Review of the River Plate*" (Buenos Aires), 26th Nov.

Miscellaneous.

Sooke Lake Water Supply for Victoria, British Columbia.
"*Engineering News*" (New York), 18th Nov.

Our Opportunity in Herring Packing.
"*Canadian Fisherman*" (Montreal), Dec.

Commercial Aspects of the Canadian Fishing Industry.
"*Canadian Fisherman*" (Montreal), Dec.

Horse Breeding Industry in South Africa.
"*South African Farmers' Advocate*" (Bloemfontein), Nov.

Foreign and Colonial Publications.

OTHER PUBLICATIONS RECEIVED.

Canada.—
Ontario Bureau of Industries: Report for 1914.
Directory of the Milling Industry in Canada.
Department of Mines: The Devonian of South-western Ontario (Memoir 34).
Department of Mines: Notes on the Geology of the Lower Saskatchewan River Valley.

Gold Coast.—Blue Book, 1914.

Sudan.—Report of Sudan Government Railways for 1914.

Cuba.—"Cuba" (a descriptive pamphlet published by the Department of Agriculture).

Russia.—Handbook on Commercial and Industrial Conditions (United States "Special Agent Series," No. 61).

Sweden.—Trade Directory, 1916 (in Swedish).

TRADE ENQUIRY OFFICES IN LONDON OF THE SELF-GOVERNING DOMINIONS.

Trade Enquiry Offices are *maintained* in London at the following addresses *by the Governments indicated, viz.* :—

Dominion of Canada	19, Victoria Street, S.W.; also Portland House, Basinghall Street, E.C. (Office of the Canadian Government Trade Commissioner).
Commonwealth of Australia. ...	72, Victoria Street, S.W.
New South Wales	123-5, Cannon Street, E.C.
Victoria	Melbourne Place, Strand, W.C.
Queensland	409, West Strand, W.C.
South Australia	85, Gracechurch Street, E.C.
Western Australia	Savoy House, 115-6, Strand, W.C.
Tasmania	56, Victoria Street, S.W.
Dominion of New Zealand	13, Victoria Street, S.W.
Union of South Africa	Trades Commissioner, 90, Cannon Street, E.C.

Trade enquiries in regard to Rhodesia may be made at the office of the British South Africa Co., 2, London Wall Buildings, E.C.

H.M. TRADE COMMISSIONERS AND THE TRADE CORRESPONDENTS OF THE COMMERCIAL INTELLIGENCE BRANCH OF THE BOARD OF TRADE IN THE BRITISH SELF-GOVERNING DOMINIONS, BRITISH INDIA, AND THE BRITISH COLONIES, POSSESSIONS AND PROTECTORATES.

The following is a list of the Officers who undertake the duty of answering commercial enquiries which may be addressed to them either by the Commercial Intelligence Branch of the Board of Trade, or by British manufacturers and traders. Postage must be prepaid on all communications addressed to these Officers.

It is suggested that, in all cases, commercial enquiries should first be made to the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C., as the information required may already be available at the Branch.

BRITISH SELF-GOVERNING DOMINIONS.

H.M. Trade Commissioners.

Canada and Newfoundland..	Mr. C. Hamilton Wickes, 3, Beaver Hall Square, Montreal. (Telegraphic Address, "Britcom").
Commonwealth of Australia..	Mr. G. T. Milne, Commerce House, Flinders Street, Melbourne (Telegraphic Address, "Combrit"), and 81, Pitt Street, Sydney (Telegraphic Address, "Combritto").
New Zealand...	Mr. R. W. Dalton, P.O. Box 369, 11, Grey Street, Wellington. (Telegraphic Address, "Advantage").
South Africa	Mr. W. G. Wickham, P.O. Box 1346, Norwich Union Buildings, St. George's Street, Cape Town. (Telegraphic Address, "Austere").

Imperial Trade Correspondents appointed by the Board of Trade.

CANADA—	
Alberta	Mr. J. F. Sweeting, Industrial Section, Natural Resources Department, Canadian Pacific Railway Offices, Calgary.
British Columbia	Mr. P. G. Shallcross, c/o Messrs. Shallcross, Macaulay & Co., Ltd., 144, Water Street, Vancouver.
	Mr. J. J. Shallcross, c/o Messrs. Shallcross, Macaulay & Co., Ltd., P.O. Drawer 730, Victoria.
Manitoba	Mr. W. J. Healy, Free Press Building, Winnipeg.
New Brunswick	Mr. W. E. Anderson, 162, Prince William Street, St. John.
Nova Scotia	Mr. E. A. Saunders, Board of Trade, Halifax.
Ontario	Mr. F. W. Field, P.O. Box 176, Toronto.
Quebec	H.M. Trade Commissioner—see list above, Montreal.
	Mr. G. B. Ramsey, 53, Dalhousie Street, Quebec.
NEWFOUNDLAND	Mr. H. W. Le Messurier, Assistant Collector of Customs, St. John's.
AUSTRALIA—	
New South Wales ...	H.M. Trade Commissioner—see list above.
Queensland	Mr. M. Finucan, P.O. Box 337, Brisbane.
South Australia	Mr. J. K. Samuel, Brookman's Building, Adelaide.
Tasmania	Mr. A. H. Ashbolt, 23, Old Wharf, Hobart.
Victoria	H.M. Trade Commissioner—see list above.
Western Australia ...	H. C. F. Keall (Acting Correspondent), 17-20, South British Chambers, Perth.
NEW ZEALAND—	
Auckland	Mr. A. J. Denniston, Secretary, Chamber of Commerce, P.O. Box 47, Auckland.
Dunedin	Mr. W. T. Monkman, Bond Street, Dunedin.
Wellington	H.M. Trade Commissioner—see list above.

Imperial Trade Correspondents appointed by the Board of Trade—*continued.*

SOUTH AFRICA—	
Cape Colony	H.M. Trade Commissioner—see list above, Cape Town. Mr. J. S. Neave, Secretary, Chamber of Commerce, Library Buildings, Main Street, Port Elizabeth (and for East London).
Natal	Mr. A. D. C. Agnew, 412, Berea Road, Durban.
Orange Free State ...	Mr. G. Smetham, P.O. Box 101, Fichardt Chambers, Maitland Street, Bloemfontein.
Rhodesia	Mr. E. C. Baxter, P.O. Box 599, Bulawayo.
Transvaal	Lt.-Col. C. A. C. Tremeer, D.S.O., P.O. Box 839, Johannesburg.

BRITISH INDIA.

Correspondent appointed by arrangement between the India Office and the Board of Trade	The Director-General of Commercial Intelligence, 1, Council House Street, Calcutta.

BRITISH COLONIES, POSSESSIONS AND PROTECTORATES.

Correspondents designated to act in an honorary capacity by the Governor of the Colony, Possession or Protectorate in which they reside.

EAST INDIES—	
British North Borneo ...	The Superintendent of Customs, Sandakan.
Ceylon	The Principal Collector of Customs, Colombo.
Federated Malay States ...	The Commissioner of Trade and Customs, Kuala Lumpur.
Straits Settlements ...	The Registrar of Imports and Exports, Singapore. The Resident, Labuan.
WEST AFRICA—	
Gambia	The Receiver General, Customs Department, Bathurst.
Gold Coast	The Comptroller of Customs, Accra.
Nigeria	The Cantonment Magistrate, Lokoja. The Comptroller of Customs, Lagos.
Sierra Leone	The Colonial Secretary, Freetown.
EAST AFRICA—	
British East Africa ...	The Chief of Customs, Mombasa.
Nyasaland	Mr. J. C. Casson, Superintendent of Native Affairs, Zomba.
Uganda	Mr. H. M. Tarrant, Director of Customs, Entebbe.
SOUTH AFRICA—	
Basutoland	The Government Secretary, Maseru.
Bechuanaland	Mr. Vernon Eason, Francistown.
WEST INDIES—	
Antigua	The Treasurer, Antigua.
Bahamas	The Colonial Secretary, Nassau.
Barbados	The Colonial Secretary, Bridgetown.
Dominica	The Treasurer, Dominica.
Grenada	The Collector of Customs, Grenada.
Jamaica	The Colonial Secretary, Kingston.
Montserrat	The First Treasury Officer, Montserrat.
St. Kitts-Nevis	The Assistant Treasurer, St. Kitts.
St. Lucia	The Treasurer, St Lucia.
St. Vincent	The Supervisor of Customs, St. Vincent.
Trinidad	The Collector of Customs, Port of Spain.
Virgin Islands	The Commissioner, Virgin Islands.
BERMUDA	The Colonial Secretary, Bermuda.
BRITISH GUIANA	The Comptroller of Customs, Georgetown.
BRITISH HONDURAS ...	The Colonial Secretary, Belize.
CYPRUS	The Chief Collector of Customs and Excise, Larnaca.
FALKLAND ISLANDS ...	The Colonial Secretary, Stanley.
FIJI ISLANDS	The Receiver General, Suva.
GIBRALTAR	The Colonial Secretary.
HONG-KONG	Mr. E. A. M. Williams, Chamber of Commerce, New Government Building, Hong Kong.
MALTA	The Collector of Customs, Valletta.
MAURITIUS	The Collector of Customs, Port Louis.
ST. HELENA	Mr. A. Hands.
SEYCHELLES	The Clerk to the Governor.
ZANZIBAR	The Chief Secretary to the Government.

STATISTICAL TABLES.

Cotton Returns.

Return of the **Number** of **Bales** of **Cotton Imported** and **Exported** at the **Various Ports** of the **United Kingdom** during the week and 51 weeks ended 23rd December, 1915 :—

	Week ended 23rd Dec., 1915.	51 Weeks ended 23rd Dec., 1915.	Week ended 23rd Dec., 1915.	51 Weeks ended 23rd Dec., 1915.
	Imports.		Exports.	
	Bales.	Bales.	Bales.	Bales.
American	74,688	3,971,758	3,445	294,225
Brazilian	—	24,011	57	1,472
East Indian	—	203,462	152	61,254
Egyptian	34,521	638,340	393	224,512
Miscellaneous	3,225*	190,847†	10	2,210
Total	112,434	5,028,418	4,057	583,673

* Including 53 bales British West Indian.

† Including 5,049 bales British West Indian, 6,794 bales British West African, 30,772 bales British East African, and 2,390 bales foreign East African.

Corn Prices.

Statement showing the **Average Price** of **British Corn,** per quarter of 8 bushels Imperial Measure,* as received from the Inspectors of Corn Returns in the week ended 25th December, 1915, and corresponding weeks of the seven previous years, pursuant to the Corn Returns Act, 1882.

	Average Price.		
	Wheat.	Barley.	Oats.
	s. d.	s. d.	s. d.
Week ended 25th December, 1915	53 10	47 2	30 7
Corresponding Week in—			
1908	32 0	26 7	17 4
1909	33 3	25 1	17 4
1910	30 5	23 9	16 9
1911	33 0	33 4	20 7
1912	29 10	28 6	19 2
1913	31 0	25 10	18 4
1914	43 3	29 9	25 11

* Section 8 of the Corn Returns Act, 1882, provides that where returns of purchases of British Corn are made to the local Inspector of Corn Returns in any other measure than the Imperial bushel or by weight or by a weighed measure that officer shall convert such returns into the Imperial bushel, and in the case of weight or weighed measure the conversion is to be made at the rate of sixty Imperial pounds for every bushel of wheat, fifty Imperial pounds for every bushel of barley, and thirty-nine Imperial pounds for every bushel of oats.

COMMERCIAL INTELLIGENCE BRANCH of the BOARD OF TRADE.

The Intelligence Branch of the Commercial Department of the Board of Trade (73, Basinghall Street, London, E.C.) is a centre at which information on all subjects of commercial interest is collected and classified in a form convenient for reference, and at which, so far as the interests of British trade permit, replies are given to enquiries by traders on commercial matters. As far as is possible, the Branch supplies, on personal or written application, information with regard to the following subjects: Foreign and Colonial Contracts open to Tender and other openings for British trade; Lists of manufacturers at home and lists of firms abroad engaged in particular lines of business in different localities; Foreign and Colonial Tariffs and Customs Regulations; Commercial Statistics; Forms of Certificates of Origin; Regulations concerning Commercial Travellers; Sources of Supply, Prices, &c. of Trade Products; Shipping and Transport; &c., &c.

Samples of foreign competitive goods and commercial products which are received from abroad from time to time are exhibited at the offices of the Branch.

A British Industries Fair will be held in the buildings of the Victoria and Albert Museum, South Kensington, London, S.W., from 21st February to 3rd March, 1916. Particulars regarding the Fair will be found on p. 872.

The "Board of Trade Journal" is published weekly and is the principal medium through which intelligence collected by the Commercial Intelligence Branch and intended for general information, is conveyed to the public. The "Journal" may be obtained, either directly or through any bookseller, from Messrs. Wyman & Sons, Ltd., 29, Bream's Buildings, Fetter Lane, London, E.C., and 54, St. Mary Street, Cardiff; from H.M. Stationery Office (Scottish Branch), 23, Forth Street, Edinburgh; from Messrs. E. Ponsonby, Ltd., 116, Grafton Street, Dublin; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. Fisher Unwin, Ltd., 1, Adelphi Terrace, London, W.C. The price is 3d. per copy or 15s. 2d. per annum, post free in the United Kingdom, the rate for places abroad, inclusive of postage, being 19s. 6d. All applications regarding advertisement rates, &c., should be sent direct to the sole contractors for advertisements, Messrs. Laughton & Co., Ltd., 3, Wellington Street, Strand, London, W.C.

Particulars relating to the supply of **confidential information** to firms in the United Kingdom are given on p. 871.

All communications intended for the Commercial Intelligence Branch of the Board of Trade should be addressed to: **The Director, Commercial Intelligence Branch, Board of Trade, 73, Basinghall Street, London, E.C.; or 32, Cheapside, E.C.,** *if the communication relate to matters connected with the forthcoming British Industries Fair or with Samples of German and Austrian goods.*

BRITISH CHAMBERS OF COMMERCE IN FOREIGN COUNTRIES.

The following is a list of Chambers of Commerce established in certain foreign countries in the interest of British trade:—

Argentina ... British Chamber of Commerce for the Argentine Republic, Calle Reconquista 46, Buenos Aires.
(Agent in London—Mr. D. Begg, 793, Salisbury House, E.C.)

Balkan States *See* under Greece and Roumania.

Belgium ... British Chamber of Commerce in Belgium (Incorp.). During the war the address will be: c/o London Chamber of Commerce, 97, Cannon Street, E.C.

China ... ... British Chamber of Commerce, 1, The Bund, Shanghai.
British Chamber of Commerce, British Municipal Council Buildings, Hankow.
British Chamber of Commerce, Canton.
British Chamber of Commerce, Tientsin.

Egypt ... British Chamber of Commerce of Egypt, 6, Rue de l'Ancienne Bourse, Alexandria, and Savoy Chambers, Cairo.
(Agents in Suez and London—Messrs. Back & Manson, Egypt House, 36, New Broad Street, E.C.)

France ... British Chamber of Commerce, Paris (Incorp.), 9, Rue des Pyramides, Paris.
(Correspondents in all the principal towns of France. Commercial Representative in France of the Commonwealth of Australia.)
British Chamber of Commerce for the French Riviera and Principality of Monaco, 4, Avenue Massena, Nice.

Greece ... British Chamber of Commerce of Turkey and the Balkan States (Incorp.). *Temporary Office*, 7, Place St. Theodore, Athens.
(Correspondent at Salonica)

Italy ... ... British Chamber of Commerce for Italy, 1, Via Innocenzo Frugoni, Genoa.
Branches—75, Via Delle Terme, Rome.
18, Via Andegari, Milan.
Scali d'Azeglio 3 p. p., Leghorn.
(Delegates at Rome, Naples, &c.)

Morocco ... British Chamber of Commerce for Morocco, Tangier.

Persia ... ... British Chamber of Commerce, Bushire.
British Chamber of Commerce, Mohammerah.

Portugal ... British Chamber of Commerce in Portugal, 4, Rua Victor Cordon, Lisbon.

Roumania ... Branch of the British Chamber of Commerce of Turkey and the Balkan States, 1, Strada Academiei, Bucharest.

Russia ... Russo-British Chamber of Commerce, 4, Gorochovaïa, Petrograd.
Branch in Odessa. Agency in Kiev.

Spain ... ... British Chamber of Commerce for Spain, 9, Plaza de Cataluña, Barcelona.
Branch—41, Martin de los Heros, Madrid.
(Delegates at Cartagena, Valencia and Canary Islands.)

Tunis ... ... British Chamber of Commerce, Rue Es-Sadikia, 35, Tunis.

Uruguay ... British Chamber of Commerce in Uruguay, Calle Rincon, 506, Montevideo.

N.B.—Some of these Chambers issue periodically a Journal or annual report, which can be *inspected* at the Commercial Intelligence Branch of the Board of Trade, 73, Basinghall Street, London, E.C.

NATIONAL INSURANCE ACTS, 1911 TO 1915.

Part II.—Unemployment.

Application to the Umpire.

In pursuance of Regulations made by the Board of Trade and dated 26th day of March, 1912, Notice is hereby given that the Umpire (Unemployment Insurance) has received application for a decision as to whether contributions are payable or not in respect of the following classes of persons:—

354. Workmen engaged in the **Manufacture of Shells for war purposes** and described as engaged in cutting Steel Bars into short lengths or Billets, heating billets in furnaces, piercing billets with Hydraulic Presses or Punches, reheating and nosing shells by Hydraulic Machine.

Any representations with reference to the above application may be made in writing to the Umpire by, or on behalf of, any workman or employer appearing to him to be interested, or on behalf of the Board of Trade, and forwarded to the Registrar, Office of the Umpire, 47, Victoria Street, London, S.W., on or before 13th January, 1916.

Notice is further given that the Umpire proposes to give his decision on the above application on or after 17th January, 1916.

EXTRACT FROM REGULATIONS.

3. If before the date specified in the notice any representations with reference to the application are made in writing to the Umpire by or on behalf of any workman or employer appearing to him to be interested, or the Board of Trade, the Umpire shall take those representations into his consideration, and the Umpire may at any time before the said date require any persons to supply to him such information in writing as he thinks necessary for the purpose of enabling him to give a decision.

All such representations and information shall be open to inspection by any employer or workman appearing to the Umpire to be interested or any persons authorised in that behalf by any such employer or workman or the Board of Trade.

4. Any persons claiming to be interested may apply to the Umpire to be heard by him orally in reference to any application under these Regulations, and the Umpire may, in any case in which he thinks it desirable, require the attendance of any person before him to give oral information on the subject of any application.

The decisions of the Umpire upon the foregoing will be announced in the "Board of Trade Journal" in due course.

Registered as a Newspaper.]

[*Crown Copyright Reserved.*
Extracts may be published if the source is duly acknowledged.

Vol. XCI. No. 996.

PERIODICAL ROOM
RECEIVED
JAN 21 1916
UNIV. OF MICH.
LIBRARY

The Board of Trade Journal

Edited by the Commercial Department of the Board of Trade

DECEMBER 30, 1915.

	PAGE
Openings for British Trade	863
Board of Trade Exhibitions	872
Government Notices affecting Trade	873
Foreign Government Notices affecting Trade	877
Trade Conditions Abroad	879
British Chamber of Commerce at Tientsin	882
Adoption of National Currency in Cuba	883
Chinese Paper Money and Currency	884
Manufacture of Dyes, Drugs and Chemicals in Japan: Government Measures to relieve Shortage	885
Tariff Changes and Customs Regulations	887
Shipping and Transport	902
Minerals, Metals, and Machinery	905
Textiles and Textile Materials	905
Agricultural and Forest Products	908
Miscellaneous	910
Government Publications, &c.	911
Foreign and Colonial Publications	915
List of H.M. Trade Commissioners and of Trade Correspondents of the Commercial Intelligence Branch	917
Statistical Tables, &c.	919

For list of contents in detail see p. vi. *of Advertisements.*
* *For list of principal publications of Board of Trade see p.* i. *of Advertisements.*

LONDON:
PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE
BY JAS. TRUSCOTT & SON, LIMITED, SUFFOLK LANE, E.C.
To be purchased, either directly or through any Bookseller, from
WYMAN AND SONS, LIMITED, 29, BREAM'S BUILDINGS, FETTER LANE, E.C.; and
54, ST. MARY STREET, CARDIFF; or
H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or
E. PONSONBY, LIMITED, 116, GRAFTON STREET, DUBLIN;
or from the Agencies in the British Colonies and Dependencies,
the United States of America, and other Foreign Countries of
T. FISHER UNWIN, LIMITED, LONDON, W.C.

SOLE CONTRACTORS FOR ADVERTISEMENTS:—LAUGHTON & CO., LIMITED,
3, WELLINGTON STREET, STRAND, W.C.

For Shippers' and Manufacturers' Advertisements, &c. (Index of) see pages vii.-xxvi. *of Advertisements.*

Published Weekly. Price THREE PENCE.

TRADE MARK REGISTERED.
DERMATINE

BELTING, PUMP CUPS,
HOSE, JOINTS.

DERMATINE

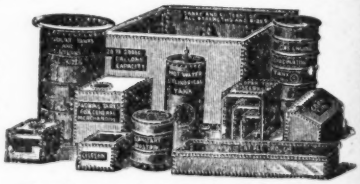
Telephone—No. 31 Hop.
Tel. Address—
"Dermatine."

Air Pump
Valves (Fitted with
Patent Anchor Bush to protect hole)
ENSURE HIGH VACUUM.

Write for Illustrated Catalogue from the Sole Manufacturers of Dermatine.

DERMATINE COMPANY, Ltd.,
93 & 95, Neate Street, LONDON, S.E., ENGLAND.

BUTTERFIELD'S TANKS.



10 to 2,000 Gallons and up to 3/8 in. thick.
ON THE ADMIRALTY AND WAR OFFICE LIST.

Ask for No. 22 List.

GAS & OIL ENGINE TANKS
SHIP & STEAM MOTOR TANKS } A Speciality.

Rectangular and Circular.
PROMPT DELIVERIES.

W. P. BUTTERFIELD'S Ltd., Shipley, Yorks.

Telegrams: "Tanks Shipley." Telephones: 35 & 535 Shipley.

G. A. HARVEY & Co. (London) Ltd.
METAL PERFORATORS
GREENWICH METAL WORKS,
WOOLWICH ROAD, LONDON, S.E.

WIRE ROPES of highest quality for Mining and Engineering purposes.
LOCKED COIL CONSTRUCTIONS for Winding, Sinking, Aerial Cableways, Suspension Bridges.
FLATTENED STRAND AND OTHER SPECIAL CONSTRUCTIONS for Haulage, Winding, Transmission of Power, Oil Boring, Logging, Steam Ploughing.
SPECIAL NON-ROTATING FLATTENED STRAND ROPES for Giant Cranes in Ordnance Works and Shipyards.
LAUNCHING CHECKS of Highest Tensile Strain. AEROPLANE CORDS. LIFT ROPES.
SPECIAL STEEL SCAFFOLD TIES. COTTON DRIVING ROPES.
MANILLA AND HEMP ROPES. CORDAGE AND TWINES of every description.
BINDER TWINE (John Bull Brand).

JOHN & EDWIN WRIGHT, Limited,
Universe Rope Works, BIRMINGHAM.
Telegrams—"Universe, Birmingham." 'Phone—8515 Central (3 lines). A.B.C. Code 4th & 5th Editions.
ESTABLISHED 1770.

30, 19

mp
with
hole)
M.
rers
d.,
AND.

r.

d,

ens.

To

Board of Trade Journal.

Issued Weekly by the Board of Trade.

LIST OF PRINCIPAL PUBLICATIONS OF THE BOARD OF TRADE.

To be purchased, either directly or through any Bookseller, from Wyman & Sons, Ltd., 29, Bream's Buildings, Fetter Lane, E.C.; and 54, St. Mary Street, Cardiff; or H.M. Stationery Office (Scottish Branch), 23, Forth Street, Edinburgh; or E. Ponsonby, Ltd., 116, Grafton Street, Dublin; or from the Agencies in the British Colonies and Dependencies, the United States of America, and other Foreign Countries of T. Fisher Unwin, Ltd., London, W.C.

I.—ANNUAL PUBLICATIONS:—

Annual Statement of the Foreign Trade of the United Kingdom. 1914. Vol. I. [Cd. 7968/15.] Price 5s. 9d. (post free 6s. 4d.) Vol. II. [Cd. 8069.] Price 4s. 2d. (post free 4s. 9d.)

Annual Statement of the Navigation and Shipping of the United Kingdom for the year 1913. [Cd. 7616/14.] Price 3s. (post free 3s. 6d.).

Assurance Companies' Return, 1912. Part A. [H.C. 49/14.] Price 6s. 4d. (post free 7s.). Part B. [H.C. 49-I.] Price 4s. 9d. (post free 5s. 4d.).

Australia.—Report by H.M. Trade Commissioner for the year 1914. [Cd. 8090/15.] Price 4d. (post free 5½d.).

Bankruptcy. Report for the year 1914. [H.C. 313/15.] Price 8d. (post free 10d.).

Canada.—Report by H.M. Trade Commissioner for the year 1913. [Cd. 7455/14.] Price 7d. (post free 9d.).

Coal exported—prices of. [H.C. 242/14.] Price 2½d. (post free 3d.).

Coal Shipments, 1913 and 1914. [Cd. 7979/15.] Price 6d. (post free 7½d.).

Coal Tables.—Statistical Tables relating to Coal and Petroleum Production in the World, 1886-1912. [H.C. 285/13.] Price 5½d. (post free 7d.).

Colonial Import Duties Return, 1915. [Cd. 8094/14.] Price 4s. 2d. (post free 4s. 9d.).

Companies. Twenty-third General Annual Report, 1913. [H.C. 348/14.] Price 1s. 3d. (post free 1s. 8d.).

Conciliation (Trade Disputes) Act, 1896. Eleventh Report. [H.C. 89/13.] Price 8½d. (post free 10d.).

Consular Reports Index, 1914. [Cd. 8003/15.] Price 5½d. (post free 7d.).

Emigration and Immigration—Statistical Tables and Report, 1913. [H.C. 295/14.] Price 6d. (post free 8d.).

Foreign Import Duties, 1913. [Cd. 7180/14.] Price 5s. (post free 5s. 7d.).

Imports and Exports, 1900-13, at prices of 1900. [Cd. 7432/14.] Price 4d. (post free 5d.).

Industrial Directory of the United Kingdom. [Cd. 7483/14.] Price 1s. 3d. (post free 1s. 7d.)

Iron and Steel, 1912. Memorandum and Statistical Tables. [H.C. 284/13.] Price 7d. (post free 9d.).

Labour Statistics of the United Kingdom. [Cd. 7733/15.] Price 1s. 6d. (post free 2s.).

Merchant Shipping, 1881-1911.—Tables showing the Progress of Merchant Shipping in the United Kingdom and the principal Maritime Countries. [Cd. 7033/13.] Price 9½d. (post free 1s.).

New Zealand.—Report by H.M. Trade Commissioner for the Year 1914. [Cd. 8089/15.] Price 2d. (post free 2½d.).

Patents, Designs, and Trade Marks.—Report for the Year 1914. [H.C. 160/15.] Price 2½d. (post free 3½d.).

Railway Returns of the United Kingdom for the Year 1914. [Cd. 8039/15.] Price ½d. (post free 1d.).

South Africa.—Report by Mr. H. E. Gauntlett, in charge of the Office of His Majesty's Trade Commissioner for South Africa, for the Year 1914. [Cd. 8073/15.] Price 6d. (post free 8d.).

Statistical Abstract for the United Kingdom. 1900-1914. [Cd. 8,128.] Price 1s. 9d. (post free 2s. 2d.).

Statistical Abstract for the British Empire. 1899-1913. [Cd. 7827/15.] Price 1s. 3d. (post free 1s. 7d.).

Statistical Abstract for the British Self-Governing Dominions, Colonies, Possessions and Protectorates. 1899-1913. [Cd. 7786/15.] Price 2s. (post free 2s. 5d.).

Statistical Abstract for Foreign Countries. 1901-1912. [Cd. 7525/14.] Price 2s. 2d. (post free 2s. 8d.).

Statistical Tables relating to British Self-Governing Dominions, Colonies, Possessions and Protectorates. Part XXXVII. 1912. [Cd. 7667/14.] Price 6s. 11d. (post free 7s. 6d.).

Strikes and Lock-outs, and Conciliation and Arbitration Boards in the United Kingdom in 1913. [Cd. 7658/14.] Price 1s. 3d. (post free 1s. 8d.).

Wages and Hours of Labour. Report on Changes in 1913. Cd. 7635/14.] Price 11d. (post free 1s. 3d.).

Weights and Measures. Report for 1914. [H.C. 148/15.] Price 3½d. (post free 5d.).

II.—MONTHLY PUBLICATIONS:—

Board of Trade Labour Gazette. Price 1d. (post free 2½d.).

Trade and Commerce of certain Foreign Countries and British Possessions. [H.C. 115-X.] Price 3d. (post free 4d.).

Trade and Navigation of the United Kingdom. November, 1915. Price 1s. 6d. (post free 1s. 11d.).

III.—WEEKLY PUBLICATION:—

Board of Trade Journal. Price 3d. (post free 3½d.).

IV.—OCCASIONAL PUBLICATIONS:—

British and Foreign Trade and Industry. Statistical Tables and Charts, 1854/1908. [Cd. 4954/09.] Price 5s. 3d. (post free 5s. 6d.).

British Trade in British West Africa, Straits Settlements, British Guiana, and Bermuda. [Cd. 6771/13.] Price 6d. (post free 7½d.).

Census of Production (1907).—Final Report, with Tables. [Cd. 6320/12.] Price 7s. 6d. (post free 8s. 1d.).

Coal Merchants in the London District who have accepted an Arrangement for a Limitation of Profits. [Cd. 8,070.] Price 1d. (post free 1½d.).

Coal Raised in the United Kingdom, 31st March-30th June, 1915. [327.] Price ½d. (post free 1d.)

Commercial Intelligence Committee.—Report for period March, 1910, to March, 1913. [Cd. 6779/13.] Price 7½d. (post free 9½d.).

Commercial Travellers: Memorandum as to Regulations in force Abroad. [Cd. 7031/14.] Price 9d. (post free 11d.).

Co-operative Societies in United Kingdom. Report and Statistical Tables. [Cd. 6045/12.] Price 1s. 9d. (post free 2s. 1d.).

Cost of Living Enquiry: United Kingdom Towns. [Cd. 6955/13.] Price 4s. 11d. (post free 5s. 6d.); German Towns. [Cd. 4032/08.] Price 4s. 11d. (post free 5s. 5d.); French Towns. [Cd. 4512/09.] Price 4s. 1d. (post free 4s. 7d.); Belgian Towns. [Cd. 5065/10.] Price 2s. 2d. (post free 2s. 7d.); American Towns. [5609/11.] Price 5s. 1d. (post free 5s. 8d.).

Exports (Manufactured and Partly Manufactured Articles). [H.C. 536/13.] Price ½d. (post free 1d.).

Food Supplies (Imported), 1904-12. [H.L. 83/13.] Price 2d. (post free 2½d.).

Foreign Trade of the United Kingdom with Certain Countries. [H.C. 225/14.] Price ½d. (post free 1d.).

Handbook to the Commercial Intelligence Branch of the Board of Trade. Price 2d. (post free 2½d.).

Imports (Australia and New Zealand). [H.C. 249/13.] Price ½d. (post free 1d.).

Imports and Exports (United Kingdom and Certain Foreign Countries). [417/13.] Price ½d. (post free 1d.).

Inter-Imperial Trade. [H.C. 226/14. Price ½d. (post free 1d.).

Merchant Shipping. List of Principal Acts, &c., relating thereto. Price 3d. (post free 3½d.).

Shipping Subsidies: Report on Bounties and Subsidies in respect of Shipbuilding, Shipping and Navigation in Foreign Countries. [Cd. 6899/13.] Price 5d. (post free 6d.).

Standard Time Rates of Wages. [Cd. 7194/13.] Price 6½d. (post free 8½d.).

State Railways (British Possessions and Foreign Countries). [H.C. 287/13.] Price 7½d. (post free 9d.).

Strikes and Lock-outs. Memoranda relating to Laws in British Dominions and Certain Foreign Countries. [Cd. 6081/12.] Price 1s. 5d. (post free 1s. 9d.).

Sugar. Return showing production, imports and exports, consumption, &c., of various countries. [H.C. 281/11.] Price 3d. (post free 4d.).

Tariffs (New)—Brazil (Proposed). [Cd. 7094/13.] Price 1s. 3d. (post free 1s. 7d.); Bulgaria. [Cd. 2862/06.] Price 6d. (post free 7½d.); Colombia. [Cd. 7353/14.] Price 6d. (post free 7½d.); Denmark. [Cd. 4267/08.] Price 6d. (post free 7½d.); France. [Cd. 5127/10.] Price 11½d. (post free 1s. 2½d.); Netherlands (Proposed). [Cd. 6435/12.] Price 4½d. (post free 6d.); Philippine Islands. [Cd. 4903/09.] Price 6½d. (post free 8d.); Roumania. [Cd. 2828/06.] Price 7d. (post free 9d.); Russia (Temporary). [Cd. 7854.] Price 7d. post free 9d.); Servia. [Cd. 3749/08.] Price 8d. (post free 10d.); Spain. [Cd. 6040/11.] Price 4½d. (post free 6d.); Sweden. [Cd. 464/11.] Price 9½d. (post free 11½d.); Switzerland. [Cd. 2768/06.] Price 7d. (post free 8½d.); United States. [Cd. 7128/13.] Price 1s. 1d. (post free 1s. 5d.).

United Kingdom (Trade, Commerce, and Condition of People). [H.C. 520/15.] Price ½d. (post free 1d.).

Wheat Prices, International: Return showing average prices for 1840-1912. [H.C. 5/13. Price ½d. (post free 1d.).

CONTRACTS.

Borough of Hampstead.

To Contractors.

The Council of this Borough invite tenders for the following Works, Materials, or Services for One or Three Years, at the option of the Council, from 1st April next, viz.—

1. Slopping, Eastern and Western Districts.
2. Yorkshire and other Natural Footway Paving.
3. Artificial Footway Paving.
4. Granite Kerb, Channelling and Quadrants.
5. Wood Blocks.
6. Broken Granite and Basalt.
7. Gravel and Hoggin.
8. Thames Ballast and Sand.
9. Pitch, Tar and Creosote Oil.
10. Tar Paving and Tar Macadam.
11. Lime, Cement and Bricks.
12. Drain Pipes, Traps, &c.
13. Timber and Wheelwright's Work.
14. Ironmongery (Tools, Iron, Steel, &c.).
15. Iron Castings.
16. Disinfectants.
17. Cart Harness, &c.
18. Purchase and Removal of Manure.
19. Winding and Regulating Clocks.
20. Trees, Shrubs and Mould.
21. York Stone Landings for Cemetery.
22. Removing Ashes from Electricity Station.
23. Oils, Electricity Station.

Full conditions are contained in the forms of tenders, which may be had, and further particulars obtained, on application to me at the Town Hall. No tender will be received unless on the official form. Tenders to be delivered at my office not later than Four p.m. on Thursday, 6th January next. The Council does not bind itself to accept the lowest or any tender.

By order,

ARTHUR P. JOHNSON,

Town Clerk.

Town Hall, Haverstock Hill,
December, 1915.

Portland Urban District Council.

To Pump and Machinery Engineers.

The Waterworks Committee of the above Council invite tenders for the Overhauling, Renewals, and Repairs to One Set of Three-Throw Deep-Well Pumps, the Provision and Fixing of a New Set of Engine Gearing, and other works of repair to machinery at their Waterworks Pumping Station, Upwey.

Specification may be inspected and form of tender obtained at the office of the undersigned.

Sealed tenders, on the form supplied, endorsed "Pump Repairs, Higher Well," must be delivered at the Council Offices not later than 12 o'clock noon on Wednesday, the 5th of January, 1916.

The Council do not bind themselves to accept the lowest or any tender, and reserve to themselves the right of accepting the whole or any part of any tender.

ARTHUR S. LILLEY,

A.M.Inst.C.E.I.,

Engineer and Surveyor.

Council Offices,
New Road, Portland,
2nd December, 1915.

City of Birmingham.

The Baths Committee are prepared to receive tenders for the sale of—

One Vertical Flywheel Steam Engine and Dynamo.

Engine cylinder 10 inches diameter by 9½ inches stroke, speed 230 r.p.m., suitable for steam pressures up to 120 lbs. per square inch. Makers, Messrs. Browett-Lindley, Patricroft.

Dynamo 110 volts, 150 amperes, speed 930 r.p.m.; makers, Messrs. Thos. Parker, Ltd., Wolverhampton.

This Set is in splendid running order, and can be seen at work by arrangement with the undersigned, from whom further particulars can be obtained.

The Committee do not bind themselves to accept the highest or any tender.

Tenders to be delivered at the undermentioned Office by noon on January 31st next, endorsed "Dynamo Set."

By order,

R. HOGGINS,

Superintendent Engineer.

Office,
Baths Department,
Kent Street, Birmingham,
18th December, 1915.

County Borough of Southampton.

Tenders for Cast-iron Cylinder and Steel and Wrought-iron Work.

The Corporation invite tenders for the supply of—

(i.) About 3 tons of cast-iron cylinder, &c.

(ii.) About 5 tons of steel cylinders, 2½ tons of steel rising main and 1 ton of wrought-iron pump and hanging rods.

Particulars may be obtained of the Waterworks Engineer, 33 and 35, French Street, Southampton.

Sealed tenders, suitably endorsed, must be delivered at the Town Clerk's Office by 10 o'clock in the forenoon on the 14th of January, 1916.

No pledge is given to accept any tender or tenders.

R. R. LINTHORNE,

Town Clerk.

Town Clerk's Office,
Municipal Offices, Southampton,
15th December, 1915.

The Rural District Council of Bourne.

Tenders for Granite and Slag.

The Council invite tenders for the supply of about 6,000 tons of Granite and 2,000 tons of Slag, at per ton, to be delivered to the order of the District Surveyor, carriage free, at any of the Stations specified on the Forms of Contract, at such times and in such quantities as the said surveyor may from time to time order.

The lowest or any tender not necessarily accepted.

Tenders (on forms to be obtained on application to Mr Thomas Lake, District Surveyor, Bourne), marked "Tenders for Granite and Slag," to be sent to me, the undersigned, not later than Saturday, the 8th day of January, 1916.

By order of the Council,

CECIL W. BELL,

Clerk.

Council Offices, Bourne, Lincs.,
17th December, 1915.

MONO & BI-NITROTOLUOL.
TRINITROTOLUOL.
MYRBANE. NITROBENZOL.
BINITROBENZOL.

JOHN W. LEITCH & CO.,
Milnsbridge Chemical Works,
HUDDERSFIELD (Eng.)

NEW HARRISON KNITTING MACHINES,

For Socks, Stockings, Garments, Undervests, Gas Mantles, Hand or Power Winders, Card Winders, Presses, Ballers. Mills Equipped.

HARRISON PATENT KNITTING MACHINE CO., LTD.,
Works—10, Upper Brook St., Manchester.
Branch—54, Goodge Street, London, W.

ACKROYD & BEST, Ltd.,
Morley, LEEDS, England.

Makers of precision made
SAFETY LAMPS AND APPARATUS,
to burn Benzine or Oil; to light electrically by Accumulators or small Hand Driven Magneto Dynamo.
Unlocked pneumatically or magnetically.

TAR PITCH, CREOSOTE
BITUMINOUS MATRIX.

REGISTERED TRADE MARK.

ESTABLISHED 1862.

THOMAS CROW & SONS
West Ham, London.

REUBEN GAUNT & SONS Limited,

ESTABLISHED 1785.

Spinners and Manufacturers.

SERGES

Home and Export.

Every description of

BLUE, SCARLET & KHAKI SERGES

HEAVY, MEDIUM, AND TROPICAL WEIGHTS,

for Official and Civilian Wear.

Contractors to War Office, Admiralty, Crown Agents, British and Colonial Railways, Police, Tramways, etc., etc.

Wholesale only. *Enquiries to—*

Broom Mills, Farsley, Yorkshire.

TRADE **STANLEY** MARK

The Largest Manufacturers of SURVEYING and DRAWING INSTRUMENTS in the World (with whom J. J. Hicks, of Hatton Garden, is incorporated).

Our Drawing Instruments are made throughout in our own factories, and if quality be considered, are cheaper than German ones.

Please send for our "K. 73" Catalogue, and compare our prices with those of other First-Class Makers.

W. F. STANLEY & CO., LTD.,

Head Offices and Showrooms:

286, HIGH HOLBORN, LONDON, W.C.

Stanley's Patent Drawing Table. Can be set to any height and any angle.

INCREASED OUTPUT

The Pressing Need of the Future

THAT much can be done to increase the output per worker by the increased use of machinery and plant for driving it, is patent to any factory manager who has compared the horse power used and the value produced per 1,000 hands employed in certain trades in the United States and in this country.

The figures quoted below are taken from the recent official Census of Production in each country, and are based on the employment of 1,000 workers in each case.

BOOTS AND SHOES.

U.K.	172 H.P.	Value of output	£171
U.S.A.	486 H.P.	,, ,,	£516

CARDBOARD BOXES.

U.K.	114 H.P.	Value of output	£106
U.S.A.	590 H.P.	,, ,,	£275

BUTTER AND CHEESE.

U.K.	1,477 H.P.	Value of output	£1,310
U.S.A.	5,507 H.P.	,, ,,	£2,979

CEMENT.

U.K.	3,195 H.P.	Value of output	£192
U.S.A.	13,873 H.P.	,, ,,	£472

CLOTHING.

U.K.	45 H.P.	Value of output	£158
U.S.A.	165 H.P.	,, ,,	£484

A publication entitled "A Thousand and One Uses for Gas," which gives information on the use of gas engines for both large and small power uses—a method which has proved economical of fuel, labour and space, and in a high degree dependable, besides avoiding the risk of smoke nuisance and the expense of chimney stacks—will be sent post free regularly to any factory manager who writes to The Secretary of the British Commercial Gas Association, 47, Victoria Street, London, S.W.

R 12.

ALUMINIUM CASTINGS
FOR ALL TRADES.
Telegrams:—"KRANKASES, ISLING."
Telephone Nos.:—4879 CENTRAL, 3846 CITY.
Contractor to ADMIRALTY & WAR OFFICE.
DIE CASTINGS a speciality.
R. W. COAN,
219, Coswell Road,
LONDON, E.C.
COAN CASTS CLEAN CRANK CASES

TUBULAR PRESSED PARTS
in all Metals for all Trades.

WALTON & BROWN, Ltd.,
124, Brearley St., BIRMINGHAM.

WRAPPING PAPERS - -

AND

- - PAPER BAGS

FOR ALL TRADES.

Head Office—
UNION PAPER MILLS,
BIRMINGHAM.

CABLE ADDRESS—PAPER, BIRMINGHAM. A B C CODE.

SMITH, STONE & KNIGHT, Ltd.,
Birmingham, Bristol and London.

JAMES KENYON & SON, LTD.,

TEL. No. 173 BURY.

T. A. KENYON, BURY.

Derby Street Mills,

BURY, LANCASHIRE,

MANUFACTURERS OF

Roller & Clearer Cloths for Cotton Spinners,
Slasher & Sizing Flannels for Cotton Manufrs
Felts for Paper Makers, Army Blankets,
Blankets and Lappings for Calico Printers,
Blankets for Newspaper Printers,

AND EVERY DESCRIPTION OF

Woollen, Cotton & Linen Cloths for Machinery

CLEANING WASTE

OF EVERY DESCRIPTION.

Bleachers and Manufacturers of
Cotton Waste, Sponge Cloths, Lamp Wicks, &c.

Samples and Quotations free on application. Indents through Merchants.

SPENCER & CUREDALE, Limited,

Cable Address—"Bleach, Bury, England."
Codes used—
A B C, 5th & 8th Editions & A 1.

Bury Ground Works,
BURY, LANCASHIRE, ENGLAND.

Board of Trade Journal.

DECEMBER 30, 1915.

CONTENTS.

PAGE

Openings for British Trade ... 863
United Kingdom.—New Sources of Supply Required.
British Dominions, &c.:—
British India.—Openings for Machinery; Electrical Accessories; Earthenware; Trimmings; Enamelled Ware; Metal Lamps; Cotton Goods, &c.
Canada.—Commercial Enquiries.
New Zealand.—Tenders for Hydro-Electric Generating Set, Switchboard, &c. Openings for Material for Public Works; Freezing Works Plant.
South Africa.—Tenders for Sleepers; Boiler Tubes.
Foreign Countries:—
Openings for Trade in France, Portugal, Spain, Liberia, Ecuador, Bolivia, Argentina, Patagonia, and China.

Openings in All Countries: Confidential Information ... 871

Board of Trade Exhibitions ... 872

Government Notices affecting Trade ... 873
Prohibited Exports: Amendments in and Additions to List
Embargo on Trade Exhibitions: New Defence of the Realm Regulation.
Export of Coal: White List of Regular and Reliable Importers.
Trading with the Enemy.
Consignees in Persia, Morocco, Liberia, or Portuguese East Africa.
Trade with China and Siam.
Shipment of Chilean Nitrate of Soda delayed.
Enemy Companies and Contracts in Australia.

Foreign Government Notices affecting Trade ... 877

Trade Enquiries regarding Markets Abroad ... 878

Trade Conditions Abroad ... 879

British Chamber of Commerce at Tientsin ... 882

Adoption of National Currency in Cuba ... 883

Chinese Paper Money and Currency ... 884

Manufacture of Dyes, Drugs and Chemicals in Japan: Government Measures to relieve Shortage ... 885

Tariff Changes and Customs Regulations ... 887
South Africa. Transvaal. Northern Rhodesia. Southern Rhodesia. Uganda Protectorate. Gold Coast. Egypt. Barbados. St. Vincent. Trinidad and Tobago. Mauritius. Straits Settlements. Federated Malay States. Weihaiwei. Newfoundland. Russia. Norway. Sweden. Denmark. Netherlands. France. French Colonies. French Guiana. Tunis. Mexico.

Shipping and Transport ... 902
British Cargo Steamship Services. Detention of Cargoes and Vessels by H.M. Armed Forces. New Line of Steamers between Goole and Hull and Gothenburg. Steamships of Scandinavia and Japan admitted to Coasting Trade of Eastern Canada. Road Transport in Nigeria. Port Regulations and Charges at Lourenço Marques. Private Coal and Oil Depôts in Panama Canal Zone.

Minerals, Metals, and Machinery ... 905
American Competition in Motor Cars for the South African Market. Improved Prospects for Mica Industry in South Africa.

Textiles and Textile Materials ... 905
Exports of Raw Jute and Jute Manufactures from British India in 1914-15. Cotton Crop in Russia: Supply and Demand for Cotton. Hemp Crop of Russia in 1915.

Agricultural and Forest Products ... 908
Sugar Imports and Production in British India in 1914-15.

Miscellaneous ... 910
Trade of Venezuela during Year ended 30th June, 1915. Report on Economic and Industrial Progress in Corea.

Government Publications, &c. ... 911

Foreign and Colonial Publications ... 915

List of H.M. Trade Commissioners and of Trade Correspondents of the Commercial Intelligence Branch ... 917

Statistical Tables, &c. ... 919

Commercial Intelligence Branch of the Board of Trade ... 920

British Chamber of Commerce in Foreign Countries ... 921

THE BUYERS' GUIDE.

For MERCHANTS, MANUFACTURERS & SHIPPERS.

Charges for entries under this heading, 3s. each per week.

Absorbent Blottings—
Tullis, Russell & Co., Markinch, Fife.

Accumulators—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

Acetylene Lighting and Welding Plant. Flares and Handlamps—
The Acetylene Corporation, Ltd., 49, Victoria Street, Westminster, London.

Acid Jars—
Kennedy, H., & Sons, Ltd., Barrowfield Potteries, Glasgow.

Acid Phosphates—
Weaver Refining Co., Ltd., Acton Bridge, Cheshire. London Office : 6, Holborn Viaduct, E.C.

Aerial Ropeways—
Cradock, G., & Co., Ltd., Wakefield, England.

Aeroplane Accessories—
Cradock, G., & Co., Ltd., Wakefield, England.

Aeroplane Tubes—
Accles & Pollock, Ltd., Oldbury, Birmingham.

Agricultural Food Preparing Machines—
Bentall, E. H., & Co., Ltd., Heybridge, Maldon, Essex. Telegrams : "Bentall, Heybridge."

Air Brushes and Air Compressors—
Aerograph Co., Ltd., 43, Holborn Viaduct, London, E.C.

Air Gun Slugs, Shot and Darts—
Banks, B. R., & Co., Ltd., Devon Works, Gillett Street, Kingsland High Street, London, N.

Albumen and Yolks of Egg, Whole Egg (Liquid and Dry), Casein, Essential Oils—
Felton & Crepin, 15, Coopers Row, London, E.C.

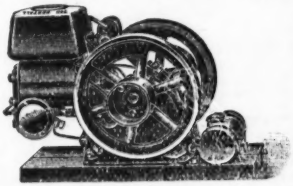
Albums—
Chapman & Sons, 5, 6, and 7, Elizabeth Place, Rivington Street, London, E.C.

Alkali Manufacturers—
Ammonia Soda Co., Ltd., Lostock Gralam, Northwich.
Brunner, Mond & Co., Northwich, Cheshire.

Alloys—
Bingham, Charles, & Co., 11, Queen Victoria Street, London, E.C. Works :—Manchester, England, and Notodden, Norway.
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C. Molybdenum, Tungsten, Vanadium, Chromium, Aluminium, and all other alloys used in the manufacture of High-grade steels.

G. GARNETT & SONS, Ld.,
APPERLEY BRIDGE, YORKSHIRE, England.
SOLE MAKERS OF
"GARBIRCORD" Regd. THE CLOTH FOR ALL WEATHERS
Will withstand COLD, RAIN, SNOW, WIND and DUST. Suitable for all classes of Garments.
Also Manufacturers of PURE INDIGO and ROCKFAST BLUE
Serges, Tropical Suitings, Fancy Flannels, and Worsted Coatings.
CONTRACTORS TO ALL H.M. GOVERNMENT OFFICES.

Geo. G. Blackwell, Sons & Co., Ld.,
Head Office: THE ALBANY, LIVERPOOL.
10, Eastcheap, London, E.C.
ESTABLISHED 40 YEARS.
METALS & ALLOYS of all kinds
FOR EVERY PURPOSE.
We are the Headquarters in England for
French Chalk, Plumbago, Fluorspar, Manganese, Magnesite, Chrome Ore.
ALLOYS FOR ALL CLASSES OF STEEL, &c.
TYPE, LINO & STEREO METALS.
REFRACTORY BRICKS & FURNACE LININGS.
Remember we are Metallurgical Specialists.
Write for our pamphlets. They will interest you.
CABLES—BLACKWELL, LIVERPOOL.
ALL CODES.

E. H. BENTALL & Co., Ltd.
HEYBRIDGE WORKS, MALDON, ESSEX.

Makers of all kinds of Cattle Food Preparing Machines, Petrol Engines, &c.

POWER LINE TO MOROCCO.
Regular direct service of first-class steamers taking cargo to and from London and Gibraltar, Rabat, Larache, Kenitra, Mehedia, Melilla, Tetuan, Ceuta, Tangier, Cassablanca, Mazagan, Saffi, and Mogador.
Weather, Strikes, and other circumstances permitting.

ss. PETRIDGE	Closing	Jan. 12th, 1916.	Sailing	Jan. 14th, 1916.
ss. PANGBOURNE	"	Jan. 26th, "	"	Jan. 28th, "
ss. PENSHURST	"	Feb. 9th, "	"	Feb. 11th, "

For rates of Freight, &c., apply to—THE POWER STEAM SHIP COMPANY, Limited.
(James Power and Co., Managers),
158, LEADENHALL STREET, LONDON, E.C.
Telegraphic Address—"POUVOIR," London. Telephone—Post Office, 2541 City ; National, 1525, Avenue.

Aluminium—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C.

Aluminium Founders and Workers—
Coan, Robert W., 219, Goswell Road, London, E.C.

Ammonia—
Brotherton & Co., Ltd., Leeds.
Western Chemical Co., Greenock, Scotland. "Thistle" Brand (Regd.) Carbonate of Ammonia.

Ammunition Manufacturers—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Anglo-Dutch Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Aniline Colour Manufacturers—
Levinstein, Limited, Blackley, Manchester. Also makers of "Kromoline" and specialities for Leather dressing. Telegrams: "Levinstein, Manchester."

Aniline Oil and Salt—
Morris, H. N., & Co., Ltd., Gorton Brook Chemical Works, Manchester, S.E.

Anti-Friction Metal—
Magnolia Anti-friction Metal Company of Great Britain, Ltd., 49, Queen Victoria Street, E.C. Telegrams: Magnolier, London. (See Advt.)

Arsenic Acid Manufacturers—
The Crown Chemical Works, Ltd., 63, Crutched Friars, E.C.; and Marshgate Lane, Stratford.

Art Pottery (High Class)—
James McIntyre & Co., Ltd., Washington China Works, Burslem.

Asbestos Roofing Tiles—
Wilson & Co., 79, Queen Street, London, E.C.

Asphalte—
The Seyssel and Metallic Lava Asphalte Co., 42, Poultry, London, E.C.
Val de Travers Asphalte Paving Company, Ltd., Hamilton House, 155, Bishopsgate, London E.C. Branch in Alexandria (Egypt). Asphalte Mines at Ragusa (Sicily). Sole proprietor of the Seyssel Asphalte Mines, Pyrimont (Ain), France.

Atlases, General and Educational—
Philip, George, & Son, Ltd., 32, Fleet Street, London. Also Maps for School, Library, Travel, Touring, &c.

Autogenous Welding Supplies—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C.

Automatic Coin Weighing Machine Manufacturer—
Oertling, L., Turnmill Street, London.

Automatic Scale Manufacturers—
Pooley, Henry, & Son, Ltd., John Bright Street, Birmingham.

Automatic Weighing Machines—
Denison, Saml., & Son, Ltd., Middlewood, Leeds, Auto-Weighers for Conveyors, Aerial Rope Ways, Railway Tracks, and Overhead Mono-rails.

Bags, Elastic Cotton for Hams, Bacon, Legs of Mutton, &c.—
Venn Bros., Beeston, Notts. Samples free.

Balances (Assay, Chemical, Bullion and Automatic Coin Weighing)—
De Grave, Short & Co. Ltd., 23, Charterhouse Street, London, E.C.

Balances (Assay, Chemical and Bullion)—
Oertling, L., Turnmill Street, London. Two Highest Awards Turin, 1911.

Baling Presses—
Hindle, Son & Co., 100, Deansgate, and Beaver Works, Cornbrook Road, Manchester. Sole makers of Hindle's Patent Electric Baling Presses for all purposes. 100 Bales packed for One Unit. "*To operate, simply press the button.*" Telephone—Trafford Park 566.
H. I. Roberts, 42/9, Castle Street, Liverpool. Patentee of Improved Baling Presses to make up to 300 bales per day by hand-power. Require no skilled labour. Especially adapted for Colonial use, also Patent Hydraulic Pump and Patent Adjustable Buckles for lashing bales. Telegrams—Ingenious, Liverpool. Codes A.B.C. and Engineering.

Barium—
Hedworth Barium Co., Ltd., Newcastle-on-Tyne.

Barometers and Thermometers—
Hicks, James J. (Incorporated with W. F. Stanley & Co., Ltd.), 8, 9 and 10, Hatton Garden, London, E.C.

Basketware and Wicker Furniture—
Scott, G. W., & Sons, 144, Charing Cross Road, London, W.C. Telephone: Regent 154. T. A.: Picnic, London. Fitted Luncheon and Tea Baskets, Motor Cases.

Baths and Sanitary Castings—
Planet Foundry Co., Ltd., Guide Bridge, near Manchester.

ANTI-FRICTION METALS.
FLOWER BRAND.
Magnolia Anti-Friction Metal Company of Great Britain, Ltd., 49, Queen Victoria Street, E.C.
Samples and Catalogues post free.

JOHN & JOSEPH TAUNTON, LTD.,
SHERBOURNE ROAD,
BIRMINGHAM.
Manufacturers of Brass and Iron
BEDSTEADS,
Woven Wire and Link and Spring Mattresses suitable for all Markets.
London Office and Showroom:—
Perry's Place,
70a, Oxford Street, W.
Write for Catalogue J. Mailed free.

PALETHORPES' Royal Cambridge Sausages and Preserved Meats.
IN TINS FOR EXPORT
CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.
MODEL FACTORY —— DUDLEY PORT (STAFFS) ENGLAND.

SOCIETE ANONYME INTERNATIONAL DE TRANSPORTS
GONDRAND FRÈRES,
41, GREAT TOWER STREET, E.C.
Telegraphic Address: "GONDRAND."
Shipments to all parts of the World.
DAILY DEPARTURES. RATES ON APPLICATION.

EDWARD COLLIER & SONS
(LIMITED),
Manufacturers of ADAPTORS, and WALL PLUGS and COVERS and every description of WOOD TURNERY for the ELECTRICAL TRADES.
BARKER STREET, PARADE, BIRMINGHAM.
Telephone: Central 564. Established 1830

B.B. Cloth and Paper Roll Blackboards, &c., B.B. Renovator Cardboard Slates, &c.—
Hall, R. M., Williams Road, Moston, Manchester.

Bedsteads—
Taunton, John and Joseph, Ltd., Sherbourne Road, Birmingham.

Beltings (Solid Woven Hair, Cotton and Conveyor)—
Bright, John, & Bros., Ltd., Rochdale.

Bevelled and Bent Glass—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Billiard Cloths—
Mitchell, Inman & Co., 39 and 40, Cloth Fair, London, E.C.

Billiard and Bagatelle Tables—
Edwards, George, Kingsland Billiard Works, Kingsland Road, London, N.E.

Binocular Glass Manufacturers—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

Binoxide of Barium—
Hedworth Barium Co., Ltd., Newcastle.

Birdlimes and Flygums—
Kay Brothers, Ltd., Manufacturing Chemists, Stockport. "Cheshire" and "Dak," Flypapers (Non-poisonous)—"Big Bat" and "Falcon" Brands. Flycatchers (Pendant)—"Vampire," "Flysac," "Scorpion," "Viper," "Flipflap."

Bird Seeds and Foods—
Hyde, R., & Co., Ltd., London, S.E.

Blacking (Nubian) Black and Brown—
The Nubian Manufacturing Co., Lorrimore Street, S.E.

Blankets and Rugs—
Leopold Frank, 1 & 2, Addle Street, London, E.C.

Blankets (Cotton)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Blasting Gelatine and Gelignite—
Curtis's & Harvey Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Bleaching Powder—
Brunner, Mond & Co., Northwich, Cheshire.

Boats (Seamless Steel Life Boats and Motor Boats)—
Seamless Steel Boat Co., Ltd., Wakefield.

Boiler Compounds—
Dampney, J., & Co., Ltd., Cardiff. London Office, 87, Bishopsgate, E.C. "Apexior" Compound, basis 98 per cent. carbon. Not a Boiler Fluid. Applied to internal surfaces like paint. Write for interesting booklet.

Boilers for Steam, Hot-water-heating, Bath Supply, &c.—
Kinnell, Chas. P., & Co., Ltd., Southwark Street, London. Sectional Boilers, Tubular Boilers, Bath Boilers, &c. Contractors to H.M. Admiralty, and War Office.

Boilers (Water-Tube)—
Howden, J., & Co., Ltd., 195, Scotland Street, Glasgow.

Book Cloth and Tracing Cloth Manufacturers—
The Winterbottom Book Cloth Co., Ltd., 12, Newton Street, Manchester. Manufacturers of Bookbinders' Cloth (speciality "Winvis Brand"), Art Fabrics, Morocco Cloths, Buckrams, &c., also Imperial, Excelsior, Sagars, Dowse, Reliance, and Universal brands of Tracing Cloth.

Boot Polish, "Balmoral Glass," Nubian "Ojo Paste"—
The Nubian Manufacturing Co., Lorrimore Street, London, S.E.

Boots and Shoes—
Riley, B. (Desborough), Ltd., Desborough. Established 1868. Manufacturer of Men's and Boys' Boots. Export to all Markets.

Borax and Boracic Acid—
Borax Consolidated Ltd., 16, Eastcheap, London, E.C.

Boxes (Cash and Deed)—
Tann, John, Ltd., 117, Newgate St., London, E.C.

Brassfoundry—
Newman, William, & Sons, Ltd., Hospital Street, Birmingham, England.

(SIEMENS' **STEEL** PROCESS)

SPECIAL QUALITY

Mild Steel BOILER PLATES, SHIP PLATES, Angles, Channels, Tees, Zeds, Beams, Bars, Hoops, Tube Strips, Nail Strips, Blooms, Billets, Rails.
TYRES and AXLES for Locomotives, &c., &c.
FORGINGS for Locomotive, Marine and General Engineering Purposes.
CASTINGS for every purpose of any reasonable weight and of finest qualities.

THE STEEL COMPANY OF SCOTLAND, LTD.

23, Royal Exchange Square, GLASGOW.

TELEGRAPHIC ADDRESS: "STEEL, GLASGOW."
Hallside Works, Newton & Blochairn Works, Glasgow.

SOLE MAKERS of
BAXTER'S Patent Trunnion Stockless Anchor.
WRIGHT'S Patent Improved Martin's Anchor.
Also Makers of Anchors to Admiralty, and other patterns.

Brassfoundry (Cabinet)—
Walker, Joseph, Augusta Works, Warstone Lane, Birmingham.

Brass and Malleable Iron Founders—
Moore Bros., Ltd., "Beehive Foundry," Priory Works, Priory Road, Aston, Birmingham.

Bridges, Suspension—
Cradock, G., & Co., Ltd., Wakefield, England.

Briquettes (*See Patent Fuel*)—
The Crown Preserved Coal Co., Ltd., Cardiff.

Brush and Broom Manufacturers—
Ludbrook, S., & Co., Ltd., Mile End, London E.

Brush Manufacturers—
Hawtin, Hornett & Co., M. Neuhafer & Levi, City Showrooms: 11, Fore Street, London, E.C.

Building Materials—
Jennings, C., & Co., 879, Pennywell Road, Bristol. Send 1s. 9d. for Four-fold Rule and 270 page Illustrated Catalogue of all descriptions of Timber, Woodwork, Portable Buildings, Bungalows, &c.

Button Fastening Machines for rapidly and securely attaching Buttons to Garments, Shoes, Men's Caps, &c., &c.—
The Turret Button Co., Ltd., 12/16, Westmoreland Place, City Road, London, N.

Button Machines for Covering Metal Moulds with Fabric—
The Turret Button Co., Ltd., 12/16 Westmoreland Place, City Road, London, N.

Buttons for Dresses, Mantles, Blouses, &c., also Upholstery—
The Turret Button Co., Ltd., 12/16, Westmoreland Place, City Road, London, N.

Cable Making Machinery—
Glover, W. T., & Co., Ltd., Trafford Park, Manchester.

Cables and Wires—
Glover, W. T., & Co., Ltd., Trafford Park, Manchester.
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., London, E.C.
Western Electric Company, Ltd., Norfolk House, Norfolk Street, London, W.C.; Works—North Woolwich, E.

Cableways and Runways—
Cradock, G., & Co., Ltd., Wakefield, England.

Calcium Carbide—
Acetylene Corporation, Ltd., 49, Victoria Street, Westminster, London.
Bingham, Charles, & Co., 11, Queen Victoria Street, London, E.C. Works:—Manchester, England, and Notodden, Norway.

Camera and Shutter Manufacturers—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.
Thornton-Pickard Manufacturing Co., Ltd., Altrincham, England. Telegraphic Address: "Pickard, Altrincham." Telephone Number: 69 Altrincham.

Candle Manufacturers—
Price's Patent Candle Co., Ltd., Battersea Works, Battersea, London, S.W.

Cane Molasses, Syrup and Honey—
Sclanders, David, & Co., 71, Virginia Street, Glasgow.

Canvas (Cotton), Motor Ducks and Fabrics—
Bright, John, & Bros., Ltd., Rochdale.

Carbolic Acid—
Miller, James. Son, & Co., Glasgow.

Card Index Cabinets—
Chapman & Sons, Ltd., 1 and 3, Ebor Street, Shoreditch, London, E.

Carpet Machinery—
Hutchinson, Hollingworth & Co., Ltd., Dobcross Loom Works, Dobcross, Yorks. Telegraphic Address: Foundry, Dobcross. Railway Station: Saddleworth, L. & N. W.

Cartridge Manufacturers—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Glasgow.

Casein and Milk Food Products—
Casein, Ltd., Culvert Works, Battersea, London. Manufacturers of Casein for all known uses, milk products and by-products.

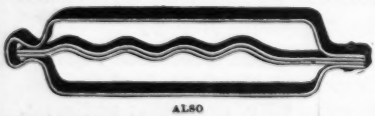
Cattle and Pig Troughs—
W. P. Butterfield's, Ltd., Shipley, Yorks. Telegrams: "Tanks, Shipley." Tele.: 35 Shipley.

Chemical Brokers—
Barr, James C., 180, West Regent Street, Glasgow. Acids, various, Alum Cake, Bleaching Powder, Bicarb, Bisulphite, Caustic and Sulphite Soda, Epsoms, Commercial and Druggist, Glauber's Salt, Sulphate Alumina, Magnesium Chloride.

Chemical Glassware—
Reynolds & Branson, Ltd., Leeds.

Chemical Manufacturers—
Acme Chemical Co., Ltd., Tonbridge, Kent, and River Street, Bolton, Lancashire. Arsenite of Soda, Arseniate of Lead, paste and powder, Powder Sheep Dip (Arsenical), approved by Board of Agriculture, for Scab in Great Britain. "Acme" Weed Killer, permanently destroys Weeds. Quassia Chips. "Fumerite," for Destroying Ground Vermin, such as Ants, Slugs, Wireworm, &c. Tree Washes.
Anglo-Continental Guano Works, Dock House, Billeter Street, E.C.
Blythe, Wm., & Co., Ltd., Church, Lancs.
British Dyes, Ltd., Huddersfield.
Brunner, Mond & Co., Ltd., Northwich, Cheshire.
Crown Chemical Works, Ltd., 63, Crutched Friars, E.C.; and Marshgate Lane, Stratford.
Hedworth Barium Co., Ltd., Newcastle.
McDougall Brothers, Ltd., 66/68, Port Street, Manchester. Sheep Dips and Cattle Dressings, Arsenite of Soda, Veterinary Preparations, Disinfectants of all kinds, Fruit Tree Washes and Weed Killers, etc.

HUTSON BROS.,
53a, Aldersgate St., London, E.C.
MANUFACTURERS OF
Celluloid, Hand Painted and Parchment Christmas Cards.
Pictorial Post Cards including Gelatine Birthday and Greeting Cards.
Real Photograph and Three Colour Sentimental and Humorous, and Lithographic Humorous Cards.

Hair Curlers and Wavers of every Description.

ALSO
Metal Buckles, Clips, &c., for Garters, Armlets, &c.
Panel and Escutcheon Pin fine Wire Nails.
THOS. HOPE, Central Works Watery Lane, BIRMINGHAM.

THOMAS TYRER & Co., Ltd.,
Stirling Chemical Works, Stratford, London, E.
TECHNICAL & PURE CHEMICALS.
Bismuths, Collodions, Ethers, Hypophosphites, Mercurials, Phosphoric Acid, Vulcanisers, Siccatives, Water and Fire Proofers, Antifoulers, &c.

COTTON BAGS
FOR ALL PURPOSES.
W. H. FELTHAM & SON,
Imperial Works, Tower Bridge Rd., LONDON.
And MANCHESTER.

Chemical Manufacturers—*continued.*
Miller, Jas., Son & Co., Glasgow.
Morris, H. N., & Co., Ltd., Gorton Brook Chemical Works, Manchester, S.E.

Chemical Manure Manufacturers—
Cross, Alexander, & Sons, Ltd., 19, Hope Street, Glasgow.
Nitrogen Fertilisers, Ltd., Winchester House, Old Broad Street, London E.C.

Chemical Plant and Machinery—
Scott, George, & Son (London), Ltd., Kingsway House, Kingsway, London, W.C.

China Clay—
Lovering, John, & Co., St. Austell.
The West of England and Great Beam Clay Company (Limited), St. Austell, Cornwall. Largest Producers of China Clay for Pottery, Papermaking, Coating, Bleaching and Sizing purposes. China Stone and Ground China Stone of the finest qualities. Telegrams: Stocker, St. Austell. Nat. Tel.: No. 121.
Wheal Rashleigh and Criggan China Clay Co., Ltd., 7, Arundel Street, Strand, London, W.C.

Christmas Cards—
Hutson Bros., 53a, Aldersgate Street, London, E.C.

Christmas Stockings, Crackers, and Surprise Packets, &c.—
Jones, G. E., 79, 81 and 81A, Mortimer Road, Kingsland, London, N.

Chronometers—
Barker, F., & Son, 12, Clerkenwell Road, E.C.

Cleaning Machinery for Miners' Safety Lamps—
Ackroyd & Best, Ltd., Morley, near Leeds.

Clock Manufacturers (Turret and House)—
Joyce, J. B., & Co., Ltd., Whitchurch, Shropshire.

Clothing, Cap and Helmet Manufacturers (Army, Police and Railway)—
Hobson & Sons. Head Office: 1, 3, and 5, Lexington Street, London, W. Contractors to the War Office, Admiralty, H.M. Customs, Board of Trade, the Territorial Force, Police, Tramway, &c. Factories: 154–164, Tooley Street, London, S.E., and High Street Factory, Woolwich.
Smith, James, & Co. (Derby), Ltd., Drewry Lane Works, Derby. Contractors to War Office, Principal Railways, Police and Trams, &c.

Clothing Manufacturers (Army, Police and Railway)—
Hammond, John, & Co., Ltd., Newcastle, Staffs.
Webb, C. & J., & Co., Ltd., Burdett Road, London, E. Contractors to War Office, Post Office, Railways, Police, Docks and Trams, &c. London and South Africa.

Coal and Coke—
Cory Bros., & Co., Ltd., Cardiff.
The Pemberton Colliery Co., Ltd., 7, Rumford Street, Liverpool. House, Gas, Steam and Bunker Coal, and Furnace Coke. Telegrams—"Bee," Liverpool. Telephone—1016 Liverpool Central.
Wigan Coal and Iron Co., Ltd., Wigan.

Coal Depot Proprietors—
Cory Bros. & Co., Cardiff.
Miller, James, Son, & Co., Glasgow.

Coal Tar—
Miller, James, Son, & Co., Glasgow.

Coal Tar Colours and Products—
British Dyes, Ltd., Huddersfield.

Coal Tar Products—
Greenshields, James, & Co., Ltd., 54, Gordon Street, Glasgow.
Richard Smith's Executors, Ltd., 182, West Street, Glasgow.

Coatings (Cotton)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Coffins for Export—
Ingall, Parsons, Clive & Co., Ltd., Warwick Works, Bradford Street, Birmingham, and 151A, Euston Road, London, N.W., &c., &c.

Cold Store Insulation (Cork)—
Mitchell, N. W., & Sons, Ltd., "Delta" Brand Cork Slabs and Pipe Coverings, 1, Dod Street, Limehouse, London, E. Cables: "Sprucewood, London." Codes: Western Union and A. B. C. 5th Edition.

Collapsible Tubes—
Venesta, Ltd., 1, Great Tower Street, London, E.C.

Colliery Owners—
Cory Bros. & Co., Cardiff.
The Wigan Coal and Iron Co., Wigan.

Colliery Plant, Steel Wire Ropes for—
Cradock, G., & Co., Ltd., Wakefield, England.

Colour Printing (Lithographic)—
Johnson, R., & Sons, Ltd., Pollard Street, Manchester. Children's Book Covers—Illustrations—Canned Goods Labels, Show Cards, Shippers' Tickets, &c. (on Paper and Linen).

Comb Manufacturers—
Aberdeen Comb Works Co., Ltd., The, Aberdeen. Makers of Real Horn and "Keronyx" Dressing Combs, Barber Combs, Ladies Real Horn Fancy Combs, and combs of every description, all non-inflammable. Warehouse: 43, Basinghall Street, London, E.C.

Concertinas (English), Æolas and Duet Concertinas—
Wheatstone, C., & Co., 15, West Street, London, W.C.

Concrete Mixers—
Lewis & Lewis, Ltd., Townmead Road, Fulham, S.W.

Conveyors and Elevators for the Economic Handling of Material in Bulk.
The Chain-Belt Engineering Co., Colombo Street, Derby.

Copper Tape, Wire Rope, &c.—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.

Corn Grinding Mills—
Bentall, E. H., & Co., Ltd., Heybridge, Maldon, Essex. Telegrams: "Bentall, Heybridge."

Cotton Bags—
Feltham, W. H., & Son, Imperial Works, Tower Bridge Road, London.
Judge, T. & W., London, S.E.

Cotton Cleaning Waste—
Spencer & Curedale, Ltd., Bury Ground Works, Bury.

MACHINERY FOR
Dyeing, Drying & Finishing
Cotton, Woollen & Worsted Cloths, Plushes, Sealskins, Carpets, etc.
THEWLIS & Co.,
Phœnix Works, Folly Hall, HUDDERSFIELD.

Telegrams: "Acme, Huddersfield." Established 1858.
WELDED & RIVETED BOILERS
OF EVERY DESCRIPTION FOR
Hot-Water or Low Pressure Steam Heating Apparatus, Kitchen Ranges, &c.
J. ASHTON RILEY, Ltd.,
HUDDERSFIELD.

EVAPORATORS, STILLS, DRIERS, TALLOW MELTING
VACUUM
RESULTS GUARANTEED
FOR EVERY KIND OF
CHEMICAL PLANT
GLYCERINE • SOAP • GLUE • SALT • ETC.
GEO. SCOTT & SON. (LONDON) Ltd.
KINGSWAY HOUSE, W.C.

Cotton Driving Ropes—
Hart, Thomas, 12 & 14, Town Hall St., Blackburn; Lambeth Rope Works, Blackburn. Telephone, 10, Blackburn. Telegraphic Address, "Hart, Blackburn."

Cotton Goods—
Anderson, D. & J., Ltd., Bridgeton, Glasgow.
Lowthian, Drake & Co., 15, Aytoun Street, Manchester (Fancies, Linings, Shirtings, &c.).
Rose, Hewitt & Co., Manchester, and Finsbury Court, Finsbury Pavement, London, E.C.
Spinner, E., & Co., Manchester.

Cotton Motor Tyre Ducks, Sailcloth and General Cotton Goods—
Bright, John, & Bros., Ltd., Rochdale.

Cotton Spinners and Manufacturers—
Partington, R. & J., Ltd., 40, Portland Street, Manchester. Dongarees, Jeans, Grandrills, White and Khaki Drills, Grey and Coloured Pocketings, Harvard Shirtings, Galateas, Dyed and Printed Linings.

Cranes—
Waygood-Otis, Ltd., Falmouth Road, London, S.E. Est. 1833. Represented in Provinces and Abroad.

Crane Weighing Machines—
Salter, Geo., & Co., West Bromwich.

Creosoting Plant—
Black, George, & Sons, Tweedmouth Boiler Works, Berwick-on-Tweed.

Cutlery (Stainless Steel)—
Barrow, S., & Co., 102-104, Victoria Street, London, S.W. Telephone: Victoria 7670 two lines.

Cyder Makers—
Symons, J., & Co., Ltd., Totnes, Devonshire.

Cylinder and Cistern Manufacturers—
W. P. Butterfield's, Ltd., Shipley, Yorks. Tele.: "Tanks, Shipley." Telephone: 35 Shipley.

Decklights and Porthole Glasses—
Stevens, James, & Son, Victoria Glass Works, Birmingham.

Decorative Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Dermatine for various purposes—
Hose, Belting, Packing Rings, Air Pump Valves, &c. Dermatine Co., Ltd., Neate Street, London, S.E.

Detonators—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Diamond Grit Manufacturers (for Sawing and Rubbing Granite, Freestone, Marble, &c.)—
Harrison Bros. (Diamond Grit, Round and Cornered, Shot, Globules, or Iron Sand, Pneumatic Tools, Stone Working Machinery, Cranes, Jacks, &c., also supplies of all kinds), Atlas Foundry, Middlesbrough, England. T.N. 391. T.A. "Diamond."

Diving Apparatus Manufacturers—
Heinke, C. E., & Co., 87, 88, 89, Grange Road, London, S.E.

Drain Pipes—
Candy, Hall Green, Birmingham. Telegraphic Address:—"Copings" Birmingham.

Drawing Instrument Makers—
Stanley, W. F., & Co., Ltd., Great Turnstile, Holborn, London, W.C.

Drawing Office Stationery—
Stanley, W. F., & Co., Ltd., Great Turnstile, Holborn, London, W.C.

Dredgers and Excavators—
Rose, Downs & Thompson, Ltd., Old Foundry, Hull; and 12, Mark Lane, London, E.C. Sole makers of the "Kingston" double-chain Grab Dredger and Excavator.

Dried Fruit Importers—
Sclanders, David, & Co., 71, Virginia Street, Glasgow.

Drill and Longcloths—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Druggists—Manufacturing and Export—
Baiss Brothers & Stevenson, Ltd., Grange Works, Bermondsey, London, S.E. Est. 1833. Manufacturers and Exporters of Fine Chemicals and Drugs, Pharmaceutical Preparations, Essential Oils, Druggists' Sundries, Surgical Instruments, &c. Government Contractors. Price Lists in various languages. Tel. Address: Ipecac, London. A. B. C. Code 4th and 5th Eds.
Bell, Sons & Co., Ltd., Liverpool. Established over 70 years. Drugs and Medicines for Tropical Countries a Speciality. Telegrams: Bellson, Liverpool. A B C Code, 5th Edition.
Corbyn, Stacey & Co., Ltd., Brunton's Wharf, 673, Commercial Road East, London.

Dry Core Telephone Cable—
Glover, W. T., & Co., Ltd., Trafford Park, Manchester.

Dyes and Colours fo Textile Trades—
Snowdon, Sons, & Co., Ltd., Millwall, London, E.

Dynamite—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosive Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Electric Clocks—
Gent & Co., Ltd., Faraday Works, Leicester.

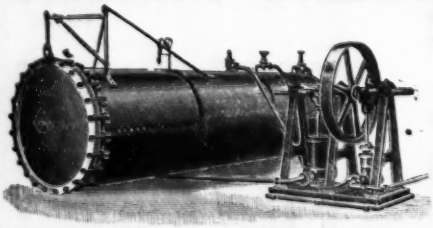
Electric Fuses—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Electric Hoists—
Lewis & Lewis, Ltd., Townmead Road, Fulham, S.W.

Electric Lamp Makers (Drawn Wire and Carbon)—
The Edison & Swan United Electric Light Co., Ltd., Ponders End, Middlesex.

Electric Motor Vehicle Lamps—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

BLACK'S CREOSOTING PLANT



SUITABLE for ESTATES & TIMBER TRADES.

Consisting of PRESSURE CYLINDER, OIL TANK, and SET OF SELF-CONTAINED PUMPS.

Full information and prices given on application.

Suitable Oil for Creosoting Supplied.

Also Creosoting Tanks, for steeping Timber in hot or cold oil, and all necessary fittings.

GEORGE BLACK & SONS,

Creosoting Engineers & Creosote Oil Merchants,

Tweedmouth Boiler Works,

BERWICK-ON-TWEED.

Established 1790.

Telegraphic Address—"Boilers, Berwick."

Electrical and General Engineers—
Baxter & Caunter, Ltd., 219, Tottenham Court Road, London, W. Exporters of all kinds of Electrical Machinery, Accessories and small supplies. Write for general list. "Everything Electrical," Second Edition.
Jackson, T., & J., Ltd., 15, Hill Street, Park Road, London, N.W. Small Electric Lighting Sets for Country Houses.
The Edison & Swan United Electric Light Co., Ltd., Ponders End, Middlesex.
The Wardle Engineering Co., Ltd., 196, Deansgate, Manchester. Exporters of all kinds of Electrical Machinery, Plant, Switchgear, Lighting Fittings and Electrical Accessories.

Electrical Insulating Materials—
Randall Bros., 22, Sherwood House, Piccadilly Circus, London, W.

Electrical and Mechanical Engineers and Contractors—
Henley's, W. T., Telegraph Works Co., Ltd., Blomfield Street, London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., 31, Lombard Street, London, E.C.

Electrical Plant and Accessories—
Electrical Trades Supply, Ltd., Britannia Works, Birmingham, Manufacturing Electrical Engineers. Exporters of all requirements in connection with Electric Lighting and Power Plants, Installations, &c.

Electrical Porcelains for every purpose—
James McIntyre & Co., Ltd., Washington China Works, Burslem.

Electrical Wood Casings, Cappings, and Woodwork—
Jennings, C., & Co., 879, Pennywell Road Bristol. Send 1s. 9d. for Four-fold Rule and 270 page Illustrated Catalogue of all descriptions of Timber, Woodwork, Portable Buildings, Bungalows, &c.

Electro Plating Machinery and Materials—
Canning, W., & Co., Great Hampton Street, Birmingham.

Emery Wheels—
Luke & Spencer, Ltd., Broadheath, near Manchester. Tele. Address—"Emery, Altrincham."

Enameller, Silver and Gilt Jeweller (Souvenir, Crest and View Goods)—
Gomm, Frank R., Hertford Works, 32, Spencer Street, Birmingham.

Encaustic Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Engine Packings. S.E.A. Rings—
Trist, Ronald, & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Engine Packings, Superheat—
Snowdon, Sons, & Co., Ltd., Millwall, London, E. Snowdons' Metallic Packing.

Engineers—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Engineers, Constructional—
Humphreys. Ltd., Knightsbridge, London, S.W.

Engineers' Ironfounders—
Wigan Coal and Iron Co., Ltd., Wigan

Engineers and Millwrights—*General*—
Aveling & Porter, Rochester (Locomotives, Road Rollers, &c.)
Baird, W., & Co., Glasgow (Pig Iron, Coal, Coke, &c.)
Burrell, C., & Sons, Ltd., Thetford (Locomotives, Steam Rollers, Traction Engines).
Gillott, John, & Son, Lancaster Works, Barnsley, Yorks, Eng.
Palatine Engineering Co., Liverpool.
Saxby & Farmer, Head Offices, 53, Victoria St., Westminster, S.W.; and Works, Chippenham, Wilts.

Essence Manufacturers—
Hay, William, Ltd. (Concentrated Soluble and Fruit Essences). Head Office and Laboratories: Hull. London Depôt; 3, York Street, Walworth, S.E.
Idris & Co., Ltd., London, N.W.

Exhibition Contractors (Home and Abroad)—
Humphreys, Ltd., Knightsbridge, London, S.W.

Explosives—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Fancy Goods (Jewellery and Electro Plate)—
Simons, E., 100 & 101, Houndsditch, London, E.C.

Fancy Leather Mirrors, &c.—
Withey, A. W., & Co., 96, Tabernacle Street, London, E.C.

Fancywood Merchants—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Fans, Open Propellers or Blowers and Exhausters—
Matthews & Yates, Ltd., Cylone Works, Swinton, Manchester. Makers of Cyclone Fans, Cyclone Motors, direct or alternating current. Very High Class Machines. Write for catalogue 170.

Feathers for Pillows—
Martin & Co., John, 22, Jordan Street, Liverpool. Feather Purifiers. Telegrams: "Curler, Liverpool."

Feed Water Regulators or Controllers. Thermofeeds—
Trist, Ronald, & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Felts for Paper makers, Pianos, Laundries, Printers, &c.—
Whitehead, R. R., & Brothers, Ltd., 10 and 12, Endell Street, Long Acre, W.C. Telephone No.: 9116 Central. Telegraphic Address: "Wandfelt," London.

Ferro-Alloys—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C.

Fertilisers and Feeding Stuffs—
Barber & Garratt, 19, Old Hall Street, Liverpool. Telegrams: "Beagle, Liverpool." Codes: A.B.C. 4th and 5th Edition and Western Union; Lieber's and Baltimore Export.
Cross, Alexander, & Sons, Ltd., 19, Hope Street, Glasgow.
Fison, Joseph, & Co., Ltd., Ipswich.
Packard, Edward, & Co., Ltd. Head Office: Ipswich.

GOVERNMENT CONTRACTORS.
WILLIAM BAIRD & CO., Limited,
GARTSHERRIE, KILSYTH & BOTHWELL, N.B., and
Kilwinning, Lugar, Muirkirk, Hurlford, and Dalry, N.B.,
IRON AND COAL MASTERS,
Offices—168, WEST GEORGE STREET, GLASGOW.
Manufacturers of
SCOTCH & HEMATITE PIG IRONS, Brands "Gartsherrie" & "Eglinton."
ALSO MAKERS OF
SULPHATE OF AMMONIA, TAR, PITCH, CREOSOTE, OIL, LUCIGEN OIL, "NEOSOTE" DISINFECTANTS. SHEEP DIP, POTASHES, BENZOL, BLACK VARNISH, &C.
HOUSEHOLD, STEAM, GAS & CANNEL COALS, & COKE OF FINEST QUALITIES.
ORIGINAL MAKERS IN SCOTLAND OF COAL BRIQUETTES—Brand "Eglinton."
Telegraphic Address—"BAIRDS," GLASGOW.

Fertiliser Manufacturers—
Nitrogen Fertilisers, Ltd., Winchester House, Old Broad Street, London, E.C.

Field Glass and Telescope Manufacturers—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

Files—
Flockton, Tompkin & Co., Ltd., Newhall Steel Works, Sheffield. "I O I" High Speed Files, also Crucible Cast Steel Files.

Fireplaces, Enamelled in Colours and in Brick Red—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Flag Manufacturers—
Lowe, Richard A., & Co., 6 and 8, Mayes Street, Manchester. Cotton, Bunting Flags, Paper and Calico Streamers, Skip Ropes, Rag Dolls, &c.

Flarelights and Handlamps, Acetylene—
The Acetylene Corporation, Ltd., 49, Victoria Street, Westminster, London.

Flour Milling Engineers—
Robinson, Thomas & Son, Ltd., Rochdale. London: 79, Queen Victoria Street, E.C.
Turner, E. R. and F., Ltd. (169) Ipswich, and 82, Mark Lane, London, E.C.

Fluorspar—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C. The Steel Maker and Iron Founders Flux.

Forced Draft Apparatus—
Howden, J., & Co., Ltd., 195, Scotland St., Glasgow.

Foundry—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Foundry Requisites—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C. Plumbago, Ferro Silicon, Ferro Manganese, and all foundry requisites.

French Chalk—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C. Largest importers of all grades of Talc.

French Polish Manufacturers—
Jackson, James & Co., Major Works, Jamaica Road, London, S.E. (founded 1827 in Union Street, Borough, S.E.), manufacturers French Polish, Spirit Varnishes, Knotting, Stains, Lacquers. Shellac and Glue Merchants, &c.

Friction Clutches—
King, H. J. H., & Co., Ltd., Newmarket Engineering Works, Nailsworth, Glos.

Fuller's Earth—
Fuller's Earth Union, Ltd., 163, Fenchurch Street, London, E.C.

Fuse—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.

Galvanized Steel Barbed Wire Netting—
Rowat, A., & Co., Ltd., Patentees and Sole Makers, 18, Watson Street, Glasgow, Scotland.

Galvanizers—
W. P. Butterfield's, Ltd., Shipley, Yorks. Telegrams: "Tanks, Shipley." Tele.: 35 Shipley.

Gas Engine Makers—
The Haslam Foundry and Engineering Co., Ltd., Pontifex & Wood, London, Union Foundry, Derby.

Gauge Glasses—
Butterworth Bros., Newton Heath, Manchester.
Guilbert-Martin (Beacon and Titan), 9, Edmund Place, London, E.C.
Tomey, Joseph, & Sons, Messrs., Ltd., Manor Glass Works, Aston, Birmingham.

Gauge Glass Protectors—
Tomey, Joseph, & Sons, Messrs., Ltd., Manor Glass Works, Aston, Birmingham.

Gauge Indicators—
Ronald Trist & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Gauges (Rain and other Water Gauges)—
Kent, Geo., Ltd., High Holborn, London, W.C.

Gelatine-Dynamite—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Glass Bottle Manufacturers—
The Rylands Glass and Engineering Co., Ltd., Barnsley, England, and 11, Dyer's Buildings, Holborn, London, E.C. Telegrams—"Rylands, Barnsley," "Rillands, Smith, London."

Glass Manufacturers—
Stevens, James, & Son, Dartmouth St., Birmingham

Glass Works—
Stevens, James, & Son, Dartmouth St., Birmingham

Glauber Salts—
Morris, H. N., & Co., Ltd., Gorton Brook Chemical Works, Manchester, S.E.

Glazed Bricks—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Glue—
Ihlee & Sankey, 38, Wilson Street, Finsbury, London, E.C.

Glue Manufacturers—
Bristol Manufacturers, Ltd., Bedminster Parade, Bristol. Tel. Address: "Gelatine." Telephone 900. Concentrated Size in bulk. Pure Hide Glue only.
Massey, C., & Son, Ltd. (Home and Export Qualities and Size Powders), 12, St. Mary Axe, London, E.C. 'Phone 5381 Avenue. Telegrams: "Twelmarax, London"
Weaver Refining Co., Ltd., Acton Bridge, Cheshire. London Office: 6, Holborn Viaduct, E.C.

Glycerine—
Price's Patent Candle Co., Ltd., London, S.W.

Golf Balls—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C. ("Melfort" and "Henley.")

Grabs—
Hone's Patent Grab for Handling Coal, Coke, Grain, Ballast, Ore, Scrap Iron and other open bodies.—Joseph Westwood & Co., Ltd., Napier Yard, Millwall, E.

Grease Manufacturers—
Sandeman Brothers, Ruchill Oil Works, Glasgow.
The Stern Sonneborn Oil Co., Ltd., Royal London House, Finsbury Square, London, E.C.

Grinding Machinery—
Chemical Engineering Co., 29, Barton Arcade, Deansgate, Manchester. "KEK" Patent Mill. Chemical Plant Specialists. Telegraphic Address: "Calling," Manchester.

Grindstone Manufacturers—
Kell, Richard, & Co., E. Exchange Buildings Queen Street, Newcastle-on-Tyne.

Grocers' and Butchers' Outfittings—
Parnall & Sons, 21 and 22, Narrow Wine Street, Bristol. Makers of Grocers' Canisters, Display Bowls, Tickets, Butchers' Machinery and Tools of every description. T.N. 4008 Bristol. T.A. "Scales" Bristol.

Gummed Paper Makers—
Jones, Samuel, & Co., 7, Bridewell Place, London, E.C. (Patent Non-Curling Gummed Paper).

Telegraphic Address:—"VULCAN, BIRMINGHAM."
DUGARD BROS.,
MANUFACTURERS OF ALL KINDS OF
ROLLED METALS, WIRE, AND TUBES,
VULCAN MILLS, BIRMINGHAM.

Gums (Liquid)—
Hollidge, E. J., Ltd., Rutland Road, South Hackney, London, N.E.

Gunpowder—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.

Hair Curlers, Lead Dress Weights, &c.—
Thos. Hope, Central Works, Watery Lane, Birmingham.

Hair for Upholsterers—
Martin & Co., John, 22, Jordan Street, Liverpool. Curled Hair Manufacturers. Telegrams: "Curler, Liverpool."

Handles (Wood)—
Wingrove, G., & Son, 85, Floodgate Street, Birmingham.

Hardware Merchants—
Edwards Bros., Ormond Street, Liverpool.

Hardwood Merchants—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Hat Manufacturers' Materials—
Hat Materials Limited, Collingdon Street, Luton. Every requisite for the Straw and Felt Hat Trades. Home and Export. Special attention given to Continental requirements. Telephone No. 456.

Hats—
Hall & Phillips, Ltd., Wholesale Felt Hat Manufacturers, Nuneaton, England, and 27, Milton Street, London, E.C. Specialities—Wool Felt Hats, Hard or Soft. Napped Hats, Fez and Malay Caps, &c., for Home and Export. Contractors to Home and Colonial Governments. Crown Agents, &c. 'Phone: 17 Nuneaton; London Office: 3445 City. Telegrams: Hall, Nuneaton. Cable Code: A. B. C. 5th edition.

High Pressure Steam and Water Jointing Cement—
Billson, J. T., Upper Toll Street, North Shields. Sole manufacturer of Billson's Panoplix Jointing Cement and Improved Joint Packing Ring. High Pressure Steam and Water Jointing Cement will stand Superheated Steam and is used for Oil fuel pipe joints; used on Admiralty work.

High Speed Engines—
Howden, J., & Co., Ltd., 195, Scotland St., Glasgow.

Hops (packed in any weight package to suit Buyers' requirements)—
Le May, W. H. & H., 67, Borough High Street, London, S.E.

Horticultural Builders—
Riley, G. W., Herne Hill, London, S.E.

Hospital Furniture—
Pelham Surgical Instrument Co., Ltd., Pelham Street, Nottingham. "Record" Syringes, Hospital Furniture, Operating Tables, Stretchers, &c. London Office and Showrooms, 30, Craven Street, Strand, W.C. Telephone 2221 Gerrard.
Holborn Surgical Instrument Co., Ltd., 26, Thavies Inn, Holborn Circus, London, E.C. Manufacturers of high-class Surgical Instruments, Sterilisers, Hospital Furniture, Trusses, Elastic Stockings, Belts, Spectacles, Artificial Limbs.

Hydraulic Machinery—
Middleton & Co., Robert, Sheepscar Foundry, Leeds.

Hydro Extractors—
Thomas Broadbent & Sons, Ltd., Central Iron Works, Huddersfield. Telegrams: "Broadbent, Huddersfield." Code: A.B.C. 5th Edition.

Ice Machine Manufacturers—
Haslam Union Foundry, 175/177, Salisbury House, London Wall, E.C.

Ice-Making and Refrigerating Machinery—
The Pulsometer Engineering Co., Ltd., Nine Elms Iron Works, Reading, and 11, Tothill Street, Westminster, London, S.W. Branches at Glasgow, Liverpool, Manchester, Leeds and Birmingham.

Incandescent Gas Mantles—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C. ("Ironclad" Mantles).

Incandescent Lamps—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.

India-rubber Manufacturers—
North British Rubber Co., Ltd., Edinburgh.

India-rubber Goods Manufacturers—
Heinke, C. E., & Co., 87, 88, 89, Grange Road, London, S.E.

India-rubber, Gutta-percha and General Manufacturers and Patentees—
Sheath Bros., 87, City Road, London, E.C. Noiseless Rubber Stair Treads, and Perforated Rubber Mats. Speaking Tube Fittings.

Indigo—
Willcocks, H. S., & Co., Ltd., 5, Beaver Street, Whitworth Street, Manchester.

Inks (Writing and Copying)—
Hollidge, E. J., Ltd., Rutland Road, South Hackney, London, N.E.

Insulated Cables—
Henley, W. T., Telegraph Works Co., Ltd., London Wall.
Hooper's Telegraph & India Rubber Works, Ltd., London, E.C.

Iron Buildings—
Humphreys, Ltd., Knightsbridge, London, S.W.
Riley, G. W., Herne Hill, London, S.E.

Ironfounders—
Saxby & Farmer, Head Offices, 53, Victoria St., Westminster, S.W., and Works, Chippenham, Wilts.

Ironmasters—
Baird, Wm., & Co., Ltd., Gartsherrie, N.B.
Parkgate Iron and Steel Co., Ltd., Rotherham.
Stewarts & Lloyds, Ltd., Glasgow & Birmingham
The Wigan Coal and Iron Co., Wigan.

Jam Jars—
Kennedy, H., & Sons, Ltd., Barrowfield Potteries, Glasgow.

Jams, Jellies, & Marmalades—
Robertson, James, & Sons, Preserve Manufacturers, Ltd., Droylsden, Manchester. Sole manufacturers of celebrated "Golden Shred" Brand. T.A. "Marmalade," Droylsden.

Tele.: "Ringleader, Birmingham." Code A.B.C. 5th Ed.
WRIGHT & HADGKISS, LTD.,
9, Vyse Street, Birmingham,
MANUFACTURERS OF
Diamond and Gem Set Jewellery,
INCLUDING
Rings, Necklets, Bracelets, Earrings, Brooches, Pendants and Pins, made in Platinum and Gold, also all Gold and Gold with Silver Settings.

GOLD (all Qualities) and PLATINUM JEWELLERY
PENDANTS. NECKLETS. BROOCHES. COMPASSES.
MASONICS. PHOTO PENDANTS. SEALS.
BUTTONS AND LINKS CROSSES. LOCKETS.
ALFRED WILCOX,
84, Vyse Street, Birmingham; also
Tel.: "Cupid, Birmingham." 23, Ely Place, London.

ROLLED GOLD AND GILT JEWELLERY,
METAL NOVELTIES AND SMALL WARES.
Ideas carried out. Toolmaking and production undertaken. Enquiries solicited.
BERNARD R. SIMMONS,
21, Vyse Street, Birmingham.

CRISFORD & NORRIS, Ltd.,
117 & 118, VYSE STREET,
BIRMINGHAM.
Silver Novelties; Specialities; Baby Rattles; Small Mirrors; Button Hooks; Shoe Lifts, &c., &c., &c.

Jewellery Manufacturers—
British Gold Plate Co., Commercial Buildings, Icknield Street, Birmingham. Rolled Gold, Necklets, Brooches, Pendants, &c.
Crompton, Robert, Pemberton Street, Birmingham.
Wainwright, Joseph, 184, Warstone Lane, Birmingham. (Gold Platinum and Gem Fancy Jewellery, Brooches, Pendants, Rings, &c., &c.).
Wilcox, Alfred, 84, Vyse Street, Birmingham; and at 23, Ely Place, London.
Wright & Hadgkiss, Ltd., 9, Vyse Street, Birmingham. Code A.B.C. 5th Edition.

Jewellery Manufacturers (Rolled Gold, Silver and Gilt Novelties)—
Simmons, Bernard R., 21, Vyse St., Birmingham.

Jewellery, Watches, Clocks, Optical Goods, &c.—
Elliott, J., Wholesale and Manufacturing Jeweller, Parade Works, Nottingham.

Jointing Materials—
Ronald Trist & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Khaki Cotton Goods—
The Manchester Khaki Co., Ltd., 1, Booth Street, Manchester.

Knitting Machinery—
The Harrison Patent Knitting Machine Co., Ltd., 113, Upper Brook Street, Manchester. Tel. Ad.: "Patentee," Manchester. Tel. No. 7133.

Labels—
Fisher, Clark & Co., Boston, England.

Lace, Nettings, Hosiery—
Trivett, L.O., Ltd., Nottingham. Plain and Fancy Nets, Hosiery, Veilings, Lace Assortments. Telegrams: "Trivett, Nottingham." National Telephone 576. Codes: Liebers A.B.C. 4th Edition.

Lacquers (of every description)—
Llewellyn Ryland, Ltd., Baskerville Place, Birmingham.

Laundry Engineers—
Smith & Paget, Crown Works, Keighley.
Townend, Fred., & Co., Albion Works, Acton, London, W.

Laundry Supplies—
The Clenblumel Co., Tockwith, York.

Lawn Tennis Racket Manufacturers, &c.—
Davis, F. A., Ltd., Brooke's Market, Brooke Street, Holborn, London, E.C.

Lead-Lined Flushing Cisterns for Water Closets—
Claughton Bros., Ltd., Bramley, Leeds. Makers of "Niagara" and "Japkap" Syphon Waterwaste Preventers. Hydraulic Solid Drawn Lead Traps, Bends, and Offsets. Plumbers' Cast Lead Goods, Socket Tacks, Terminals, &c. Telephone: Stanningley 93. Telegraphic Address: "Claughtons, Stanningley."

Lead Traps and Bends—
Glover, W. T., & Co., Ltd., Trafford Park, Manchester.

Leatherette Fancy Wallet Writing Sets, Stuffed Toys and Novelties Manufacturers—
Dory & Partridge, Ltd., 58, City Road, E.C.

Leather Belting Manufacturers—
Walker, Charles, & Co., Ltd., Concordia Works, Leeds. Manufacturers of Belting, Picking Straps, Loom Leathers and Leather for all Mechanical purposes. Specialising on Loom Leathers. Telephone: 1272 Leeds. Telegrams: "Original," Leeds.

Leather Cloth Manufacturers—
The Leather Cloth Co., Ltd., 39 and 41, Cannon Street, London, E.C., and 94, Boulevard de Sebastopol, Paris. Sole manufacturers of Crockett's Leather Cloth. Telegraphic address: "Crockett, London."
The British Pluviusin Co., Ltd., 12, Newton Street, Manchester. Manufacturers of Hospital Sheetings; also Leather Cloth for Bookbinders, Bag Makers, Upholsterers, Carriage and Motor Car Builders, &c., &c.

Leather Cloth Manufacturers (Pegamoid Brand)—
New Pegamoid, Ltd., 134, Queen Victoria Street, London, E.C.

Leather Goods (Fancy) Manufacturers—
Harris, D. B., & Son, Ltd., 73/75, Newhall Street, Birmingham. Specialities in all kinds of Belts and Ladies' Bags. For all markets.
James, G. H., & Co., 48, Old Bailey, London, E.C.
Maylor, W. A., & Co., 294, City Road, London, E.C. T. A.: "Ritomaylo," London.

Leather Goods (Fancy and Solid Leather)—
Rendall, Underwood & Co., Ltd., Granville Street, Birmingham.

Leather Manufacturers—
Garnar, James, & Sons, The Grange, Bermondsey, London, S.E. Finished Skivers for Fancy Leather Goods Makers and Bookbinders.
George & Co., Soho, London, W. Moroccos, Roans and all classes of Leather for the Furniture, Motor, Fancy and Bookbinding Trades. T. A.—"Morocco, London." T. N.—1547 Gerrard.
Gibbs, Henry, & Son, 29, St. Bride Street, E.C. Manufacturers of Colored Calf and Skivers for Fancy Leather Goods and Bookbinders; also Vellum and Parchment of every description. Works—Mitcham Common, Surrey, and Long Lane, Bermondsey.

Leather Oil Manufacturers—
Adolph Hess & Bro., Ltd., Kirkstall-road, Leeds.

Leather Tanners, Harness and Saddle Curriers—
Holden, E. T., & Son, 13, Park Street, Walsall.

Lens Manufacturers for Ships and Railway Lamps—
Stevens, James, & Son, Birmingham.

Lifts—
Brady, G., & Co., Pott Street, Ancoats, Manchester.
Smith, Major & Stevens, Ltd., Abbey Works, Northampton.
Steven, A. & P., Provanside Works, Glasgow.
Waygood-Otis, Ltd., Falmouth Road, London, S.E. Makers by Royal Warrant. Est. 1833. Represented in Provinces and Abroad.

Lime Juice—
Idris & Co., Ltd., London, N.W.

ROBERT CROMPTON, Jewellery Manufacturers,
PEMBERTON STREET, BIRMINGHAM.
Hand Carved Cameo, Real Wedgwood, and Miniature Brooches
Silver and Enamelled Brooches.
Necklets, Pendants, Lockets and Bracelets in Rolled Gold and Gilt.
Gents' Chains in White Metal Gilt, and Rolled Gold.
Key Chains, &c., &c.

IRIS
TRADE MARK REGISTERED
D. B. HARRIS & SON, Ltd.,
73/75, Newhall St., Birmingham.
Manufacturers of
Fancy and General Leather Goods, Ladies' Bags, Purses, Cents' and Ladies' Belts, &c.
FOR ALL MARKETS.
Telegraphic Address—"IRIS."

HORTON & ALLDAY,
195, Warstone Lane, Birmingham. Telephone—1755 Central. Telegraphic Address—"Silversmiths."
47, Poland Street Oxford Street, W. Telephone—9762 City London. Telegraphic Address—"Hemicycle."
MANUFACTURERS OF
SMALL SILVERWARE suitable for WEDDING PRESENTS, &c.

A. W. WITHEY & CO.,
96, Tabernacle St., LONDON, E.C.
Telegraphic Address—"Witheys, London."
Telephone—Central 9107.
Manufacturers of
LOOKING GLASSES
of all kinds—Overmantels, Girandoles, and Pier Glasses, in gilt, white and gold, mahogany, walnut, &c. Swing Glasses. Fancy Leather Mirrors. Mahogany and Oak Folding Mirrors. Hand Glasses in all woods. Antique reproductions.

Lithographic Machinery Specialists—
Mann, G., & Co., Ltd., Head Office, Henry Street, Gray's Inn Road, W.C., and Otley.; Works, Leeds. Single and Two-Colour Rotary Offset. Direct Rotary Litho. Flat Bed Litho. Offset. Grainers. Presses. Paper and Tin Varnishers. Bronzers. T. A.—"Lithoman, London."

Lithographic Plates, Blanketing, and Materials—
Horsell, Frank, & Co., Ltd., Victoria Road, Holbeck, Leeds.

Lithopone and Zinc Oxide, Barytes, Ochres, Egg Albumen, Yolks of Egg, Casein, Essential Oils—
Felton & Crepin, 15, Coopers Row, London, E.C.:

Locomotive Engine Builders—
Aveling & Porter, Ltd., Rochester.
Burrell, C., & Sons, Ltd., Thetford.

Looms (for all Classes of Woollen and Worsted Goods)—
Hutchinson, Hollingworth & Co., Ltd., Dobcross Loom Works, Dobcross, Yorks. Telegraphic Address: Foundry, Dobcross. Railway Station: Saddleworth, L. & N.W.

Lubricants—
MacArthur & Jackson, Glasgow.
Prices' Company, Ltd., Battersea, London, S.W.

Lustre Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Magnesia—
Henry, T. & W., East Street, St. Peter's, Manchester.
The Washington Chemical Co., Ltd., Washington Station, Co. Durham. Carbonate of Magnesia. Calcined Magnesia (Light and Heavy) for Pharmaceutical and Manufacturing purposes, and Fluid Magnesia.
Western Chemical Co., Greenock, Scotland. Carbonate of Magnesia, Calcined Magnesia (Light and Heavy), Magnesia Cement, and White Stone Facing Cement for manufacturing Rice Mill Stones and Grinding Discs.

Makers of Gas Engines—
The Haslam Foundry & Engineering Co., Ltd., Pontifex&Wood, London, Union Foundry, Derby.

Manganese—
Blackwell, G. G., Sons & Co., Ltd. The Albany, Liverpool, and at 10, Eastcheap, London, E.C. Manganese of all grades for all purposes. Also Ferro Manganese, Metallic Manganese, &c.

"Manganesite," for Steam, Water and Gas Joints—
John Hudson & Co.'s Successors, 85, Mansell Street, London, E.C.

Manufacturers of Dyed, Printed, and Woven Cotton Goods of all descriptions.
Rose, Hewitt & Co., 10, Minshull St., Manchester.

Manures (Chemical)—
Anglo-Continental Guano Works, Dock House, Billiter Street, E.C.
Chemical Works late H. & E. Albert, 15, Philpot Lane, London, E.C.
Cross, Alexander, & Sons, Ltd., 19, Hope Street, Glasgow.
Hedworth Barium Co., Ltd., Newcastle.
Lawes Chemical Manure Co., 59, Mark Lane, London, E.C.

Manures (Chemical)—*continued.*
Nitrogen Fertilisers, Ltd., Winchester House, Old Broad Street, London, E.C.
Packard, Edward, & Co., Ltd. Head Office: Ipswich.

Map Printers and Mounters—
Philip, George, & Son, Ltd., 32, Fleet Street, London. Maps for Estates, Companies, Town Planning, &c., also for Motoring, &c.

Marble Manufacturers of all Descriptions—
Sessions & Sons, Ltd., Gloucester.

Marine Engineers—
Abdela, Isaac J., & Mitchell, Ltd., 55, George Street, Manchester (Canal Ironworks, Brimscombe, Glos., and Dee Shipbuilding Works, Queensferry, Chester). Specialities:—All types of Marine Engines to Admiralty Pattern—Compound and Triples—Winches, Boilers, and Shipbuilding requisites. Contractors to Admiralty and Crown Agents.

Marine Glue—
Jeffery, Alfred & Co., Stratford, London, E. Telegrams: Marine Glue, London.

Medical Plasters—
De St. Dalmas, A., & Co., Leicester.

Mercerised Brocades—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Metal Manufacturers—
Emery Bros., Lichfield Road, Aston, near Birmingham.
Magnolia Anti-Friction Metal Company of Great Britain, Ltd., 49, Queen Victoria Street, E.C. Telegrams: Magnolier, London. (See Advt.)

Metal Merchants—
Garnham, J. B., & Sons, 132, Upper Thames Street, London, E.C.

Metal Merchants and Manufacturers—
Billington & Newton, Longport, Staffs.
Dugard Bros., Bridge Street, Birmingham.

Meters (Water, Boiler Feed, Steam, Air or Gas)—
Kent, Geo., Ltd., High Holborn, London, W.C.

Military Equipment—
Cliff, Jabez, & Co., Globe Saddlery Works, Walsall.

Millstones (Corn Grinding Mills)—
Barron, W. S., & Son, Kingsholm, Gloucester.

Mine Owners—
Wigan Coal & Iron Co., Ltd., Wigan (Producers of Best House, Gas and Steam Coals, and Wigan Cannel).

Mineral Water Manufacturers—
Idris & Co., Ltd., Camden Town, London, N.W.

Miners' Safety Lamp Makers—
Ackroyd & Best, Ltd., Morley, near Leeds.

Mining Machinery Manufacturers—
Gillott, John, & Son, Lancaster Works, Barnsley, Yorks, Eng.

Mining Steel—
Flockton, Tompkin & Co., Ltd., Newhall Steel Works, Sheffield. Drill and Jumper Steel, specially selected,

Monastic Tiles—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Cables: "Jabez Cliff, Walsall." Code: A.B.C. 5th Edition.
ESTABLISHED 1874.
JABEZ CLIFF & CO.,
Globe Saddlery Works,
WALSALL, ENGLAND.
Makers of Saddlery and Harness, and Leather of all kinds.

EGG ALBUMEN
YOLKS OF EGG & WHOLE EGG
(Dry and Liquid).
Casein, Edible and Technical Essential Oils.
FELTON & CREPIN, 15, Coopers Row, LONDON, E.C.

FERTILIZERS.
BARBER & GARRATT,
18, Old Hall Street, LIVERPOOL,
IMPORTERS AND EXPORTERS.
Telegrams—"Beagle, Liverpool." Codes—A.B.C. 4th and 5th Edition and Western Union; Lieber's and Baltimore Export.
FEEDING STUFFS.

PROCTOR, AVERY & WOOD,
Chapel Works, Bond St., Birmingham.
MANUFACTURERS OF ALL KINDS OF
PAPER FASTENERS
AND
General Stationers' Smallwares.
SPECIAL PRICES TO SHIPPERS.

Mortar Mills—
Lewis & Lewis, Ltd., Townmead Road, Fulham, S.W.

Mosaic and Tiles Decoration—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Mother o' Pearl, Ivory, Ivory and Composition Billiard Balls, Vegetable Ivory, Tortoiseshell and General Merchant—
Myers, M., 15, 16 & 17, Tower Hill, London, E.C.

Motor Car Lighting (Electric)—
Vandervell, C. A., & Co., Warple Way, Acton Vale, W.

Motor Car Speed Indicators—
Frodsham, Chas., & Co., Ltd., 27, South Moulton Street, London, W.

Motor Tyre Canvas, Cape Hoods, &c.—
Bright, John, & Bros., Ltd., Rochdale.

Myrbane Oil—
Leitch, John W., & Co., Milnsbridge Chemical Works, Huddersfield (Eng.).

Nautical Instrument Manufacturers (Binoculars and Telescopes)—
Henry Hughes & Son, Ltd., 59, Fenchurch Street, London.

Nickel and Nickel Salts—
The Mond Nickel Co., Ltd., 39, Victoria Street, London, S.W.

Nickel Silver and Electro Plate—
Tay, W., & Sons, Ltd., 30/34, Leopold Street, Birmingham. Eureka Spoons and Forks.

Night Lights—
Prices' Patent Candle Co., Limited, London, S.W.

Oar Manufacturers—
Gardner, Joseph & Sons, Bootle, Liverpool.

Oil and Grease Manufacturers—
Adolph Hess & Bro., Ltd., Kirkstall Road, Leeds. Oleines (Distilled and Soluble), Stearines, Pitches, Woolfats.
Snowdon, Sons, & Co., Ltd., Millwall, London, E. Manufacturers of Snowdrift, Snozone, Snowdene and Sinol (Cylinder) Lubricants.
The Stern Sonneborn Oil Co., Ltd., Royal London House, Finsbury Square, London, E.C.

Oil and Grease Merchants—
Meade-King, Robinson & Co., Liverpool and Manchester. Whale Oil, Crude and Filtered, Fish Oil, Lubricating Oil and Grease. Petroleum, Paraffin Wax, "Hydrolene" Bitumen, Petroleum Jelly, Oleine, Stearine, Wool Grease —"Giant" Vapourising Oil for Oil Engines— "Northern Light" Kerosene specially packed in cases for export.

Oil Can and Lamp Manufacturers—
Webster, Isaac & Sons, Ltd., Abbey Works, Kirkstall, Leeds.

Oil Engines—
Bentall, E. H., & Co., Ltd., Heybridge, Maldon, Essex. Telegrams: "Bentall, Heybridge."
Shanks, Alex., & Son, Ltd., Bush Lane House, Cannon Street, E.C. Stationary and Portable, for Estate and Farm Work, Electric Lighting, Pumping, and General Purposes.

Oil Mill Machinery—
Rose, Downs & Thompson., Ltd., Old Foundry, Hull, and 12, Mark Lane, London, E.C. Latest and most up-to-date systems of seed crushing, oil extraction, refining, &c.

Oil Refiners, Distillers, and Manufacturers—
Adolph Hess & Bro., Ltd., Kirkstall Road, Leeds.
Prices' Company, Ltd., Battersea, London, S.W.
Stanley Earle & Co., Ltd., Coronet Oil Works, Hull. Cables, "Refiners," Hull. Boiled Linseed Oils, Thickened Oils, Belt Paste, &c.
The Stern Sonneborn Oil Co., Ltd. (Soluble, Insulating, Transformer, Turbine, Screw-cutting, Leather, Motor, &c. Oils), Royal London House, Finsbury Square, London, E.C.

Oils & Greases—
The Hillcrest Oil Co. (Bradford) Ltd., Clayton, Manchester. Manufacturers of Oleines, Stearines, Textile Oils and Leather Greases.

Old and Obsolete Stores, Ropes, Canvas, &c.—
Phillips, John & Sons, Ltd., Dingley Road, City Road, London, E.C.

Ores—
Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C. Purchasers and dealers in Wolfram, Molybdenite, Vanadium, Chrome, Manganese, and all Metalliferous Ores.

Oxfords Manufacturers—
Anderson, D. & J., Ltd., Bridgeton, Glasgow.

Oxy Acetylene Metal Cutting and Welding Plant—
The Acetylene Corporation, Ltd., 49, Victoria Street, Westminster, London.

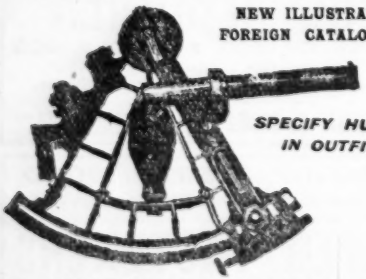
Packings, Hydraulic and Pump—
Snowdon, Sons, & Co., Ltd., Millwall, London, E. Snowdons' Metallic Packing.

Packings, Hydraulic and Pump. S.E.A. Rings—
Trist, Ronald, & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Paint Manufacturers—
Dampney, J., & Co., Ltd., Cardiff. London Office, 87, Bishopsgate, E.C., also at Liverpool and Paris. Specialities for Iron and Steel Structures, Water Tanks, &c., "Miraculum" Graphite Paint, "Asphaltene" bituminous paint, &c.
Farquhar & Gill, Aberdeen. Estd. 1818. Makers of every description of Paints, Colours, Varnishes, and Enamels.
Hanger, Watson and Harris, Ltd., Stoneferry Works, Hull; Wellclose Square, London, E.; 23, Bath Street, Liverpool. Paints, Colours, Varnishes, Enamels, Distemper and Oils. Sole Proprietors of the "Lady" Brand Specialities.
Holden, Arthur, & Sons, Ltd., Birmingham. Paints, Colours, Enamels, Varnishes, Lacquers, Japans.
Hoyle, Robson, Barnett & Co., Ltd. Established 1798. Head Office: Newcastle-on-Tyne.
Mathews, John, & Co., Liverpool.
Oliver Pragnell & Co., Ltd., Broadmead, Bristol. Paints, Enamels, Varnishes, &c. Proprietors of "Eye & Cable" Brand Specialities.

NAUTICAL INSTRUMENTS.

NEW ILLUSTRATED FOREIGN CATALOGUES.



SPECIFY HUGHES IN OUTFITS.

H. HUGHES & SON, Ltd.,
59, FENCHURCH ST., LONDON.

ROBERT BIRD & CO.,
Crewkerne, Somerset, ENGLAND.

Awarded Prize Medals—
London, 1851. Calcutta, 1883-4. London, 1883. Adelaide, 1887. Barcelona, 1888. Melbourne, 1889.

***Manufacturers of*—Cotton, Linen, Woollen, Union, Flax and Jute Webs of every description for the SADDLERY TRADE. Also Ready-made Horse Clothing, Horse Rollers, and Horse Girths, &c. Also of Chair Webs, Tray Webs and Cocoa Binding Webs of every description for the UPHOLSTERY TRADE.**

STRAINING WEBS. N.B.—Sole Makers of Bird's Superfine Flax and other Straining Webs.

Ready-made Goods for the Saddlery Trade.

N.B.—We beg to call your attention to our Ready-made Goods. The Leather used will be found good and of a Pure Oak Bark Tannage, and the Workmanship throughout will compare favourably with any in the Market.

Upholstery (or Upholsterers' Webs).
Elevator Webs and Machine Belts.

Paint Manufacturers—*continued.*

Sanderson, A., & Co., Ltd., Kingston Paint, Color and Varnish Works, Hull. Established 1853. Telegrams: "Varnish, Hull." Manufacturers of Paints, Colors, Varnishes, Enamels, Compositions, Distempers, &c.

Walpamur Co., Ltd., Manufacturers of High Class Paints, Colours, Enamels and Varnishes and Water Paint. Head Office: Hollins Paint Works, Darwen. Branches: Glasgow, Newcastle, Manchester, Birmingham, Bristol, Liverpool, Dublin, Belfast.

Paint and Enamel Spraying Machines—

Aerograph Co., Ltd., 43, Holborn Viaduct, London, E.C.

Paper Bag Makers—

Crowther & Co., 115, Middlesex Street, London.

Smith, Stone & Knight, Ltd., Union Paper Mills, Landor Street, Birmingham.

Paper Fasteners—

Proctor, Avery & Wood, Chapel Works, Bond Street, Birmingham.

Paper Makers—

Lloyd, Edward, Ltd., 4 and 5, Salisbury Court, London, E.C.

Tullis, Russell & Co., Markinch, Fife.

Paper Maker and Stationers (Wholesale and Export)—

Bowater, W. V., & Sons, Ltd., 159, Queen Victoria Street, London, E.C.

Dickinson, J., & Co., Ltd., London, E.C.

Hodgkinson, W. S., & Co., Wells, Somerset.

Strong, Hanbury, & Co., Ltd., 197, Upper Thames Street, London, E.C.

Paper Shavings—

Powell, Lane & Co., Paper Works, Gloucester, England.

Paraffinium Liquidium and Petroleum Jellies—

Snowdon, Sons, & Co., Ltd., Millwall, London, E. B.P. & Technical qualities.

The Stern Sonneborn Oil Co., Ltd., Royal London House, Finsbury Square, London, E.C.

Partitions (Asbestos Cement Sheets)—

Wilson & Co., 79, Queen Street, London, E.C.

Patent Fuel Machinery—

Middleton & Co., Robert, Sheepscar, Leeds.

Patent Fuel Manufacturers and Shippers—

The Crown Preserved Coal Co., Ltd., Cardiff.

Pavement Light Lenses—

Stevens, James, & Son, Victoria Glass Works, Birmingham.

Perforated Metal—

Barns, W., & Sons, Globe Works, Queensland Road, Holloway, London, N.

Harvey, G. A., & Co. (London), Ltd. (late of Lewisham), Greenwich Metal Works, Woolwich Road, London, S.E.

Petrol Engines—

Bentall, E. H., & Co., Ltd., Heybridge Works, Maldon, Essex.

Petroleum Jellies and Oils—

Meade-King, Robinson & Co., Liverpool.

The Stern Sonneborn Oil Co., Ltd., Royal London House, Finsbury Square, London, E.C.

Petrous Flooring Tiles—

Carter & Co., Ltd., Encaustic Tile Works, Poole.

Phosphoric Acid Products—

Perry & Hope, Ltd., Nitshill, near Glasgow.

Phosphor Bronze—

Billington & Newton, Longport, Staffs.

Photographic Lens and Camera Manufacturers—

Ross' Optical Works, 3 North Side, Clapham Common, S.W.

Photograph Frames—

Elisha Mander & Son, 29–35, Branston Street, Birmingham. (London Show-room: 8-9 Great Pulteney Street, W.) Photograph frames in Silver, Leather, Fancy Metal, etc. Also Rims and Cases for Miniatures; silver mounted Caskets, Calendars, etc.

Pipes: Briar, Meerschaum, and Calabash Manufacturers—

Singleton & Cole, Ltd., 41/43, Paradise Street, Liverpool. Manufacturers of all kinds of Tobacco Pipes. Importers, Wholesale Dealers and Exporters of Tobacconists' Fancy Goods. Every Smoker's Novelty up to date. Shop Fittings a Speciality.

Pipes: Cast Iron, for Gas, Water, Steam and Sanitary Purposes—

Shaw & McInnes, Firhill Ironworks, Glasgow.

Pipes: Cast & Wrot Iron for Water, Steam, Drainage, &c.:

Kinnell, Chas. P., & Co., Ltd., Southwark Street, London. All classes of Pipes, Tubes, Valves, Fittings, &c. Contractors to H.M. Admiralty and War Office.

Pitch—

Miller, James, Son & Co., 79, West Nile St., Glasgow.

Plate Polish—"Silveret"—

The Nubian Manufacturing Co., Lorrimore Street, London, S.E.

Plumbago—

Blackwell, G. G., Sons & Co., Ltd., The Albany, Liverpool, and at 10, Eastcheap, London, E.C.

Plywood—

Venesta, Ltd., 1, Great Tower Street, London, E.C. "Venesta" Plywood in all woods.

Pneumatic Conveyors—

King, H. J. H., & Co., Ltd., Newmarket Engineering Works, Nailsworth, Glos.

Polishing Machinery and Materials—

Canning, W. & Co., Great Hampton Street, Birmingham.

Portable Buildings—

Humphreys, Ltd., Knightsbridge, London, S.W.

Jennings, C., & Co., 879, Pennywell Road, Bristol. Send 1s. 9d. for Four-fold Rule and 270 page Illustrated Catalogue of all descriptions of Timber, Woodwork, Portable Buildings, Bungalows, &c.

Riley, G. W., Herne Hill, London, S.E.

Potters—

Kennedy, H., & Sons, Ltd., Barrowfield Potteries, Glasgow.

Pottery and Glass Exporters (China, Earthenware and Flint Glass)—

Else & Co., Ltd., Liverpool.

Power Transmission—

Cradock, G., & Co., Ltd., Wakefield, England.

RICHARDSON'S, LTD.,
Printers and Stationers,
Great Queen Street,
KINGSWAY, LONDON.

CATALOGUES printed in ENGLISH, FRENCH and RUSSIAN.

Makers of the celebrated "WHAT'S WANTED" Pen.

PAINT OILS.
Sandeman Brothers,
Ruchill, GLASGOW.

OAKELEY SLATE QUARRIES CO., LTD.,
NORTH WALES,
And 53, Parliament St., Westminster, Eng.
Sole producers of the
"Oakeley" & "Palmerston" Old Vein Roofing Slates.
PRACTICALLY IMPERISHABLE.
On the Admiralty, War Office and Crown Agents' Lists.
Gold Medal and other High Class Awards.
Enquiries invited. Agents of high standing please Correspond.

Preserved Whole Egg—
Roxburgh, Robert, Ltd., Nineveh Road (off Soho Road), Birmingham.

Pressed Parts (Sheet, Metal and Tubular, for all classes of Vehicles, for all Trades)—
Walton & Brown, Ltd., 124, Brearley Street, Birmingham.

Press Tools and Tin Box Making Machinery—
Waller & Co., Ltd., 28/32, Vauxhall Walk, London, S.E. Simple Canister-making Plants for double-seamed, slip-over, or lever-tins. Telegraphic Address—"Stampings, London."

Pressure Gauges—
Salter, Geo., & Co., West Bromwich.

Printers' Leads and Clumps—
Taylor & Watkinson, Belgrave Foundry, New Briggate, Leeds. Machine Cast and Planed Leads and Clumps. Cable: "Pica," Leeds. Telephone: 4011 Central. Code: A.B. C., 5th edition

Printers' Metals—
Blackwell, G. G., Sons & Co., Ltd., The Albany Liverpool, and at 10, Eastcheap, London, E.C.

Printing Ink Manufacturers—
Dane & Co., Manufacturers of Printing Inks, Colour Varnishes, &c., London and Edinburgh.
Horsell, Frank, & Co., Ltd. Manufacturers, Printing Inks, Colours, Varnishes, &c., Victoria Road, Leeds, S.; also London, Birmingham and Edinburgh, &c.
Winstone, B., & Sons, Ltd. London.

Printing Press Engineers (Newspaper Presses and all kinds Printing Machines)—
Hoe, R., & Co., Ltd., 109, Borough Road, London, S.E. Telegrams: "Expugnator, London." Cables: "Hoe, London."

Prism Binocular Manufacturers—
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

Proprietary Articles, Specialities, &c.—
Dalmas, A. de St., & Co., Leicester (Medical Plaisters).
Henry's Calcined Magnesia (T. & W. Henry), Manchester.

Provisions for Export—
Pearson & Rutter, Ltd. Established 1812, 41, Stanley Street, Liverpool. Cable: "Pearutter," A. B. C., 5th Edition.

Pump Governors—
Ronald Trist & Co., Ltd., 4, Lloyd's Avenue, London, E.C.

Pumping Machinery—
The Pulsometer Engineering Co., Ltd., Nine Elms Iron Works, Reading, and 11, Tothill Street, Westminster, London, S.W. Manufacturers of the "Pulsometer" Steam Pump and nearly every description of Pumping Machinery, including highly efficient Turbine Pumps and Centrifugal Pumps. Telegraphic Address—"Pulsometer," Reading; "Pulsometer," London. Telephone Nos.: 583 Reading, 4565 Victoria. Branches at Glasgow, Liverpool, Manchester, Leeds and Birmingham.

Quilts (Toilet, Satin, Honeycomb, and Alhambra)—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Quiltings and Piques—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Railway Appliances—
Saxby & Farmer, Ltd., Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts. (Railway Signals, &c.)

Railway Lamp Lenses—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Railway Signals—
Saxby & Farmer, Ltd., Head Offices, 53, Victoria Street, Westminster, S.W., and Works, Chippenham, Wilts.

Rainproof Cloth Manufacturers—
Garnett, G., & Sons, Ltd., Apperley Bridge, Yorkshire.

Ramie Yarns—
The Yorkshire Ramie Spinning Co., Ltd., Kirkstall, Leeds.

SACKS & BAGS

Vast Stocks of Second-hand BAGS always on hand, suitable for Flour, Grain, Manure, &c.

Wharves and Warehouses Cleared of Bagging, Rope, Paper Stock, Tea Chests, Tea Mats, and old Surplus Stores.

Sack and Bag Manufacturer,
56, 57 & 58, High St., Shadwell, LONDON, E.
Telephone—6321 Avenue.

S. KALISKY.

MOORE BROTHERS, Ltd.

BEEHIVE FURNITURE CASTORS.

[Awarded Diplomas of Merit at ADELAIDE and MELBOURNE EXHIBITIONS]

The "Hive" Steel Castor

Illustrated Catalogue on application.

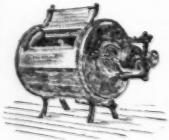
ESTD. A.D. 1835.

CABINET BRASSFOUNDRY.

Priory Works, Priory Rd., Aston, Birmingham.

Modern Laundry Machinery

FRED. TOWNEND & CO.,
ALBION WORKS, ACTON, LONDON, W.



Manufacturers of Laundry Machinery of all Descriptions.

Awarded Exhibition Prize Medals.

ESTABLISHED A.D. 1772.

HENRY'S CALCINED MAGNESIA

CONTINUES TO BE PREPARED WITH SCRUPULOUS CARE IN THE GREATEST CHEMICAL PURITY BY
Messrs. THOMAS and WILLIAM HENRY, 11, East Street, St. Peter's, Manchester,
And is sold in bottles, authenticated by a Government Stamp bearing their names.
Price 4s. 6d. or 2s. 9d.
TRADE MARK—"HENRY'S CALCINED MAGNESIA"—TRADE MARK.
New York—Messrs. Schleffelin & Co., William Street. Paris—Messrs. Roberts & Co., 5, Rue de la Paix.

Rat Poison—
Hay, G. B., 100, Main Street, Maryhill, Glasgow. Rats cleared, guaranteed never return. Send 7s. 6d. for keg of "Sawdaline". Gigantic success.

Recorders (Mechanical or Electrical Level & V Notch)—
Kent, Geo., Ltd., High Holborn, London, W.C.

Red Lead and Tin Oxide Manufacturers—
Wiggin, Henry, & Co., Ltd., 55, George Street, Birmingham.

Refined Coal—
Miller, James, Son & Co., 79, West Nile Street, Glasgow.

Refrigerators—
Haslam Foundry & Engineering Co., Ltd., The, Derby.

Retorts—
Stevens, J., & Son, Dartmouth Street, Birmingham.

Ropes for Driving—
Hart, Thomas, 12 & 14, Town Hall St., Blackburn; Lambeth Rope Works, Blackburn. Telephone, 10, Blackburn. Telegraphic Address, "Hart, Blackburn."

Ropes (Manila and Wire Ropes)—
Hall's Barton Ropery Co., Ltd., 83, High Street, Hull. Manufacturers of Manila, Hemp, Coir, Cotton and Steel Wire Ropes.

Ropes (Steel Wire)—
Cradock, G., & Co., Ltd., Wakefield, England.

Ropes (Wire and Hemp), Cordage, Twines, &c.—
Wright, John and Edwin, Ltd., Universe Works, Garrison Street, Birmingham.

Ropeways, Aerial—
Cradock, G., & Co., Ltd., Wakefield, England.

Sacks and Bags—
Judge, T. & W., London, E.C. (Cotton).
Kalisky, S., 56, 57 and 58, High Street, Shadwell, London, E. Telephone—6321 Avenue.
Levy Bros. & Knowles, Ltd., Head Office, 26, Mark Lane, London, E.C.
Paiva, J. de, & Co., 11, Drury Lane, Liverpool.

Sacks, Bags, Jute Hessians, Tarpaulings, Yarns—
Duncan, George, & Co., 94, Commercial Street, Dundee.

Saddlery—
Cliff, Jabez, & Co., Globe Saddlery Works, Walsall.

Safe Manufacturers—
Hobbs, Hart & Co., Ltd., London, N.
Ratner & Co., Ltd., 51, Moorgate Street, London, E.C.
Tann, John, Ltd., 117, Newgate St., London, E.C.
The Chatwood Safe Co., Ltd., 56, Gracechurch Street, London, E.C.
Withers, Samuel & Co., West Bromwich; the Old and Original Firm. Established 1843. Contractors to H.M. Government; annual output over 3,000 safes.

Safety Fuse Manufacturers—
Nobel's Explosives Co., Ltd., Glasgow.

Sanitary Pipes & Fittings—
Candy, Hall Green, Birmingham. Telegraphic Address:—"Copings," Birmingham.

Sanitary Seats—
East Brothers, Ltd., Lochee Cabinet Factory, Dundee.

Saw Mill Engineers—
Robinson, Thomas, & Son, Ltd., Rochdale. London: 79, Queen Victoria Street, E.C.

Scaffold Ties (Patent Scaffixer)—
The Patent Rapid Scaffold Tie Co., Ltd., 124, Victoria Street, London, S.W. Phone: 6030 Westminster. Telegraphic Address: "Scaffixer," London. The Premier lashing for all scaffolding work. Universally acknowledged to be the most desirable and practical acquisition to scaffolding appliances which the Building Trade has ever known. Contractors to H.M. War Office, Home Office and Admiralty. Write for particulars. Builders' Plant of every description always in stock.

USE THE BEST KNOWN
CLEANING AND POLISHING SOAP FOR ALL
kinds of Metals, Marble, Crockery, Lavatories, Baths, &c.

ANTI-SCRUB.

Invaluable to Hotel and Restaurant Keepers.
SUPPLIED TO THE ADMIRALTY.
Manufactured by
The **Anti-Scrub Soap Co., Dewsbury, Yorkshire.**
CONTRACTORS TO H.M. GOVERNMENT STORES.

JUTE SACKS & BAGS
Suitable for all purposes.
LEVY BROS. & KNOWLES, LTD.,
Head Office—26, MARK LANE, LONDON, E.C.
SALES OVER ONE MILLION BAGS WEEKLY.

SACKS AND BAGS AND JUTE GOODS
Of all descriptions for all purposes for
HOME AND FOREIGN MARKETS.
J. De PAIVA & Co.,
11, Drury Lane, LIVERPOOL.
Telegrams—"DEPAIVA," LIVERPOOL. Telephone—1343 & 1363 Central.
LONDON OFFICE —165, Mansion House Chambers, 11, Queen Victoria Street, E.C.

WILLIAM WAITES, SONS & ATKINSON, Ltd.
SPINNERS, MANUFACTURERS AND BLEACHERS of all descriptions of
YARNS, TWINES, LINES, ROPES, CORDAGE, from Flax, Hemp, Cotton, Jute, etc.
Contractors to the War Office, The Admiralty, and other Home Government Departments; also to the Indian and Colonial Governments, the leading British and Foreign Railway Companies, etc., etc.
Head Office:—PHILIPS PARK MILLS, MANCHESTER.

Scaffold Ties—
Palmer's Special Steel Wire Scaffold Lashings.
Guaranteed Sheffield Crucible Steel.
The Scaffold Cord of the Future.
Used on all Government Buildings and Work.
Your name or initials on every one.
Easy to fix in half the time of hemp Cord.
Best for Scaffolder. Without him, Indispensable.
"Bulltie" Steel Scaffold Chain.
The best chain tie on the market.
The best grip. No damage to Pole.
No loose parts.
Palmer's Travelling Cradle and Scaffold Co.
Victoria Works, 112, Belvedere Road, London, S.E.
T.A.: Wireway, London. T.N.: 1156 Hop.

Scaffolding—
Palmer's Travelling Cradle. The safest Scaffold ever used. Victoria Works, 112, Belvedere Road, London, S.E. T. A.: "Wireway, London." T.N.: 1156 Hop.

Scale Manufacturers—
Pooley, Henry, & Son, Ltd., John Bright Street, Birmingham.

Scientific Apparatus of all kinds, and Chemicals—
Reynolds & Branson, Ltd., Leeds.

Sealing Wax—
Hyde & Co., 25, St. Bride, Street, London, E.C.
Wall, F. M., & Co., Westgate Street, Hackney, London.

Seals (Cameo Embossed and Labels). Show Cards in every known method—
Walsall Lithographic Co., Walsall.

Seeds—
Kelway & Son, Wholesale Seed Growers and Exporters, Langport, Somerset, England. The best stocks (only) of Garden and Farm Seeds. Special quotations on application.
King, John K., & Sons, Seed Experts and Pedigree Seed Growers, Coggleshall, Essex. Established 1798. All Seeds for Farm and Garden, also Seed Potatoes exported to all parts of the World. Catalogues free.
Power, Wm., & Co., Seed Merchants and Nurserymen, Waterford, Ireland. Specialities—Crested Dogstail Grass and Trees of every description. Cable address—"Seed merchants, Waterford." Code—A.B.C. 5th Edition.

Shaving Brushes and Manicure Fittings—
Busst & Marlow, 18, Lower Rushall Street, Walsall.

Sheet Metal Stamped Goods—
Isaac Clements, 32–36, Holloway Head, Birmingham.

Ship and Engineers' Furnishers—
Loveridge, Ltd., Cardiff. (Admiralty Contractors.)

Shipbuilders—
Abdela, Isaac J., & Mitchell, Ltd., 55, George Street, Manchester (Canal Ironworks, Brimscombe, Glos., and Dee Shipbuilding Works, Queensferry, Chester). Specialities:—River Steamers, Tugs, Lighters, Launches, Marine Steam Engines, Petrol and Paraffin Motors. Admiralty Contractors.

Shipbuilders—*continued.*

Shipping Agents—
Stockwell & Co., Ltd., 13–15 and 16–18, Finsbury Street, London, E.C. International and Colonial Import and Export. Small parcels or large consignments. Branches at Belfast, Birmingham, Boulogne, Bradford, Bristol, Huddersfield, Liverpool, Lyons, Manchester, Nottingham and Paris. Agents in all business centres. T.A.: "Messageries, London."
Van Oppen & Co., Ltd., 90/91, Bartholomew Close, London, E.C. Telephones—1770 City (4 lines). Telegrams—"Vanoppen." And at Belfast, Birmingham, Bradford, Bristol, Liverpool, Leeds, Leicester, Manchester, Paris.

Ships' Block Manufacturers—
Loveridge, Ltd., Cardiff. (Admiralty Contractors.)

Ships' Lamp Lenses—
Stevens, James, & Son, Victoria Glass Works, Dartmouth Street, Birmingham.

Shirtings—
Anderson, D. & J., Bridgeton, Glasgow.

Shop Fittings—
Harris & Sheldon, Ltd., Stafford St., Birmingham.
Sage, Fredk., & Co., Ltd., Shopfitting Specialists. Gray's Inn Road, London, W.C.

Shutters (Kinnear Patent Steel Rolling)—
Gibson, Arthur L., & Co., Radnor Works, Strawberry Vale, Twickenham. Telephone: 680 P.O., Richmond. Tel. Address—"Shannies, Twickenham." Codes:—A.B.C. 4th Edition. Liebers. On Admiralty, War Office and other Government Lists. Shutters for Warehouses, Tramcar Depots, Generating Stations, Boiler Houses, Engine Sheds, Core Ovens, Garages, &c. Recent great conflagrations have fully vindicated the claim of these Shutters to pre-eminence as a fire stop.

Shutters (Revolving) Gates, &c.—
Dennison, Kett & Co., Ltd. (Successors to Clark, Bunnett & Co., Ltd.), 11, Queen Victoria Street, London, E.C. As supplied to the Admiralty, War Office, Home Office, L.C.C., Colonial and Foreign Governments, Railway, Tramway and Dock Companies, &c.

Shuttle Block Manufacturers—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Silver and Electro-plate Manufacturer, Brush Ware, Cigarette Cases, Fancy Novelties, &c.—
Samuel M. Levi, 67, 68 and 69, Vyse Street, Birmingham.

Silversmiths—
Horton & Allday, 195, Warstone Lane, Birmingham. Telephone: 1755 Central. Telegraphic Address: "Silversmiths." London Show Rooms: 47, Poland Street, Oxford Street, W. Telephone: 9762 City. Telegraphic Address: "Hemicycle."

F. M. WALL & CO.,
Westgate St., Hackney, LONDON.
Tel. Dalston 1370.
MANUFACTURERS (SINCE 1830) of LETTER, PARCEL, BOTTLE, ENGRAVERS' and all kinds of
SEALING WAX.
AGENTS WANTED.

REVOLVING SHUTTERS AND COLLAPSIBLE GATES (DENNISON'S PATENT).
As supplied to British and Foreign Governments
CLARBUN BRONZE for Bearings, Pumps, and Piston Rings.
DENNISON, KETT & Co., Ltd.,
(Successors to CLARK, BUNNETT & CO., Ltd.),
11, QUEEN VICTORIA STREET, LONDON, E.C.

DRUMOPHONE.
MOST WONDERFUL INVENTION.
Drum able to be played without sticks.
The Novelty that sells in thousands in Peace time or War.
E. SIMONS, Manufacturer of Tin Headed Drums,
100 & 101, Houndsditch, London, E.C.

SHAVING BRUSHES AND MANICURE FITTINGS.
BUSST & MARLOW,
18, LOWER RUSHALL STREET, WALSALL.
ESTABLISHED 1808.

Silversmiths and Makers of High Class Electro Plate—
Nathan & Hayes, Institute Works, Howard Street, Birmingham. Tea Services and Hollow Wares.

Silver Novelty Manufacturers—
Crisford & Norris, Ltd., 117 & 118, Vyse Street, Birmingham.

Sizing Materials for Textile Mills—
Snowdon, Sons, & Co., Ltd., Millwall, London, E. Snowdrift Brand.

Slate Merchants and Manufacturers—
Davies Bros., Portmadoc, North Wales.
Sessions & Sons, Ltd., Gloucester.

Slate Quarry Owners—
Oakeley Slate Quarries Co., Ltd., North Wales, and 53, Parliament Street, Westminster, Eng.

Slate Working Machinery and Manufacturers—
Turner Bros., Newtown, North Wales.

Soaps (Cleaning and Polishing)—
Anti-Scrub Soap Co., Dewsbury, Yorks.

Soap Manufacturers—
Price's Patent Candle Co., Ltd., Battersea, London, S.W.
Rowe, T. B., & Co., Ltd., Thames Soap Works, Brentford, Middlesex.

Soda—
Ammonia Soda Co., Ltd., Lostock Gralam, Northwich.
Brunner, Mond & Co., Northwich, Cheshire.

Spade and Shovel Manufacturers—
Stockton Heath Forge, Warrington. Established 1770. T.N. 8. T.A. "Stocktonheath Forge, Stocktonheath." Sole Manfrs. of Caldwell's Patent Spades and Shovels with Solid Blades and Straps.

Spinners—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Sponges (Importers & Exporters)—
Phillips, John, & Sons, Ltd., Dingley Road, City Road, London, E.C.

Sporting Cartridges—
Curtis's & Harvey, Ltd., Cannon Street House, London, E.C.
Nobel's Explosives Co., Ltd., Nobel House, 195, West George Street, Glasgow.

Sporting Guns—
Midland Gun Co., Bath Street, Birmingham.

Spring Balances—
Salter, Geo., & Co., West Bromwich.

Springs—
Salter, Geo., & Co., West Bromwich. Telegrams: "Salters, West Bromwich." Makers of all kinds of Springs, including Railway Bearing and Buffer Springs, Agricultural Machinery Springs, Brake Springs, Door Springs, Dashpot Springs, Dancing Room Floor Springs, Motor Springs, Nest Springs, Tines for Agricultural purposes, Valve Springs, Volute Springs, Thackray and Grover Washers, &c. Contractors to the War Office, Admiralty, Foreign and Colonial Governments, English and Foreign Railways, &c. London Office: 101, Leadenhall Street, E.C.
Smith Bros. & Hill, Ltd., Collay Street Works, West Bromwich. Makers of all kinds of Springs, Spiral Volute, and Helical, for all purposes. Springs for Agricultural Machines a speciality. Grover and Thackray Washers. Contractors to the Admiralty, War Office, Crown Agents for the Colonies, Home and Foreign Railways. Telegrams: "Springs, West Bromwich."

Springs *—continued.*

Stationers' Sundries Manufacturers—
Wright, Geo., & Co., 92, Clerkenwell Road, London, E.C. Also Chalk for Blackboards—"Wright's Dustless" Chalk. Inkstands and Stationery Racks—New Designs.

Stationers (Wholesale Manufacturing)—
Wesley, Harold, 4, Worship Street, London, E.C. Envelopes, Notepaper, Writing Tablets, Combined Letter Pads, Stationery Packets for Bazaars, &c. (Wholesale Trade only.)

Steam Meters—
The Curnon Steam Meter Co., 285, Princess Street Manchester.

Steam Rollers—
Aveling & Porter, Ltd., Rochester, Kent.

Steam Turbines—
Howden, J., & Co., Ltd., 195, Scotland Street, Glasgow.

Steamship Owners and Breakers—
The Power Steamship Co., Ltd., 158, Leadenhall Street, London, E.C.

Steel Castings, Steel and Iron Forgings, &c.—
Baird, W., & Co., Glasgow.
Steel Company of Scotland, Ltd., Glasgow.

Steel and Iron Castings—
Gillott, John, & Son, Dominion Works, Barnsley, Yorks, Eng.

Steel and Iron Shafting, &c.—
Steel Company of Scotland, Ltd., Glasgow.

Steel Manufacturers—
Parkgate Iron & Steel Co., Ltd., Rotherham.
Steel Company of Scotland, Ltd., Glasgow.
Stewarts & Lloyds, Ltd., Glasgow & Birmingham.
The Wigan Coal and Iron Iron Co., Wigan.
Turton Brothers & Matthews, Ltd., Sheffield.

Steel Manufacturers (Nickel and other alloy Steels)—
Cradock, G., & Co., Ltd., Wakefield, England.

Steel Pipes—
Piggott, Thos., & Co., Ltd., Atlas Works, Spring Hill, Birmingham. Telegrams—"Atlas, Birmingham." Welded and Rivetted Steel Pipes of large diameters.

Steel Sheets—
Lysaght, John, Ltd., Orb Works, Newport, Mon. Makers of all grades of Steel Sheets.

Steel Tubes—
Oriental Tube Co., Ltd., West Bromwich.
Stewarts & Lloyds, Ltd., Glasgow & Birmingham.

ALBION TRADE "VVV" MARK SERIES
Trade List on application

ALFRED SMITH, Albion Works,
George St., Parade, **BIRMINGHAM,** Eng.
Manufacturer of all kinds of Cycle Sundries. Noted for carded and assorted boxes of various sundries, such as
Pump Connections, Trouser Clips, Pump Clips, Laces, Oilers, Washers, Screws, Nuts;
also **Spindles, Cones,** etc., etc.

ORIENTAL
Weldless Steel Tubes
Have the advantage of being the product of an organisation of specialists. Used by all prominent Firms. Made in every size and shape for all purposes.
Permit us to quote you.
ORIENTAL TUBE CO., Ltd.,
(Established 1862.) **WEST BROMWICH**

"CAT BRAND"
Crucible Cast Tool Steel for Drills, Tools, Chisels, &c.
HIGH SPEED STEEL
(Air and Water Hardening).
MINER'S DRILL STEEL.
Spring Steel and Welding Steel.
"101" High Speed Files, Drills, Taps, &c.
"CAT BRAND" STEEL for Export
It is desirable to state market, &c.
FLOCKTON, TOMPKIN & CO., LTD.,
Newhall Steel Works, Sheffield.

Stone Bottles—
Kennedy, H., & Son, Ltd., Barrowfield Potteries, Glasgow.

Stoves and Grates of all descriptions—
Planet Foundry Co., Ltd., Guide Bridge, near Manchester.

Straw and other Plait Manufacturing for Ladies' Hat Trade, also Advertising Tying Tape or String—
Fabricless Rubber Products, Ltd., 8, Laurence Pountney Hill, Cannon Street, London, E.C.

Straw Boards, Leather Boards, Wood Pulp Boards—
Ihlee & Sankey, 38, Wilson Street, Finsbury, London, E.C. All kinds of Packing, Tissue and other Papers.

Strong Rooms—
Hobbs, Hart & Co., Ltd., London, N.
Tann, John, Ltd., 117, Newgate St., London, E.C.

Sugar Refiners—
Tate, Henry & Sons, Ltd., Sugar Refiners, 21, Mincing Lane, London, and H 15, Exchange Buildings, Liverpool. Manufacturers of Cubes, Granulated, Crystals, Caster, &c.

Sulphate of Copper—
The Mond Nickel Co., Ltd., 39, Victoria Street, London, S.W.

Sulphate of Soda Manufacturers—
Blythe, Wm. & Co., Ltd., Church, Lancs.

Sulphuric Acid (commercially pure)—
Morris, H. N., & Co., Ltd., Gorton Brook Chemical Works, Manchester, S.E.

Sulphuric Acid Manufacturers—
Blythe, Wm., & Co., Church, Lancs.

Sulphuric Acid Manufacturers' Retorts—
Stevens, J., & Sons, Birmingham.

Surgical Instrument Manufacturers—
General Surgical Company, 147 & 149, Farringdon Road, London, E.C. Manufacturers to the Wholesale trade of Surgical Instruments, Hypodermic and Serum Syringes, in all varieties, particularly "All Glass" (2 and 3 piece); "Record"; "Metal and Glass"; and Aseptic All Metal. Sole Proprietors of "Tourniquet" and "Astra" Brands of Surgical Supplies. Export enquiries through Merchant Shippers only. Telephone: Holborn 5398, 2 lines. Telegraphic Address: "Tourniquet, Smith, London."
Pelham Surgical Instrument Co., Ltd., Pelham Street, Nottingham. "Record" Syringes, Hospital Furniture, Operating Tables, Stretchers, &c. London Office and Showrooms, 30, Craven Street, Strand, W.C. Telephone 2221 Gerrard.

Surveying Instrument Makers—
Cooke, T., & Sons, Ltd., 3, Broadway, Westminster, S.W., and at York.
John Davis & Son (Derby) Ltd., 12, All Saints Works, Derby, & 17, Victoria Street, Westminster, S.W.
Stanley, W. F., & Co., Ltd., Great Turnstile, Holborn, London, E.C.

Syphons and Seltzogenes—
Idris & Co., Ltd., Camden Town, London, N.W.

Table Waters—
Idris & Co., Ltd., Camden Town, London, N.W.

Tailors' and Dressmakers' Linings—
Worsted and Cotton Italians, Mercerised Striped Linings, Glissades, Cotton Linings, Dyed and Printed Silesias and Satins, Pocketings, Twillettes, Drills, Dress Satteens, etc., Taffeta Linings, Mercerised Cotton Poplins, Dress and Casement Fabrics, Grey and Bleached Twills.—J. F. & H. Roberts, Ltd., Manchester. Great Holme Mill, Colne, Oxenhope Mill, Oxenhope, Yorkshire.

Tank Makers—
W. P. Butterfield's Ltd., Shipley, Yorks. Telegrams: "Tanks, Shipley." Telephone: 35 Shipley.
Harvey, G. A., & Co. (London), Ltd. (late of Lewisham), Greenwich Metal Works, Woolwich Road, London, S.E.

Tanning Extracts and Materials—
Humphreys, Percival, Ellis & Co., 90, Tooley Street, London, S.E. Telephone No. 2727 Hop. Telegraphic Address: "Quebracho," London.

Tar Distillers—
Brotherton & Co., Ltd., Leeds.
Crow, Thomas, & Sons, West Ham and Barking London.
Lord, J. E. C., Ship Canal Tar Works, Weaste, Manchester.

Tar Spraying & Tarring Machines, and Tar Boilers, &c.—
Phœnix Engineering Co., Ltd., Chard, Eng.

Tea Merchants—
Brooke, Bond & Co., Ltd. (Foreign Dept.), Goulston Street, Aldgate East, London; also at Calcutta and Colombo. Original and packet teas of every description.
Tower Tea, Limited, 71, Eastcheap, London, E.C. Original, Blended and Packet Teas.

Telegraph Engineers—
Henley's, W. T., Telegraph Works Co., Ltd., London, E.C.
Hooper's Telegraph and India-rubber Works, Ltd., London, E.C.

Telephones and Supplies—
British L. M. Ericsson Manufacturing Co., Ltd., 4, Chancery Lane, London, W.C. Telephone: 5340 Holborn. Works: Beeston, Notts.
Western Electric Company, Ltd., Norfolk House, Norfolk Street, London, W.C.; Works—North Woolwich, E.

Telescope Manufacturers—
Cooke, T., & Sons, Ltd., 3, Broadway, Westminster, S.W., and at York.
Ross' Optical Works, 3, North Side, Clapham Common, S.W.

TUBES FOR AEROPLANES—
NICKEL STEEL.
CHROME NICKEL STEEL.
CARBON STEEL.
240 special sections illustrated full-size. Manipulation of every description, including tapering, bending, tapping, welding, &c.
PRESSWORK STEEL PARTS. We have tools for most parts of standard Government machines.
RUDDER FRAMES, ELEVATOR FRAMES, RIBS, FINS, CLIPS, FERRULES.
TUBULAR BOX SPANNERS. Please send full details of your wants.
ACCLES & POLLOCK, LIMITED.
OLDBURY, BIRMINGHAM.
Telegrams: "Accles, Oldbury." Telephone: "Oldbury 111" (4 lines). Code: A.B.C. 5th Edition.

Testing Machines—
Denison, Saml., & Son, Ltd., Middlewood, Leeds. Vertical and Horizontal Testing Machines, for hydraulic, belt and hand power.

Textile Goods—
Edwards Bros., Ormond Street, Liverpool.

Tiles—
Woolliscroft, G., & Son, Ltd., Hanley, Stoke-on-Trent. London Address—Hazlitt House, Southampton Buildings, High Holborn, W.C. Telephone—"Holborn" 680. Tiles for Walls, Floors, and Roofs, Fireplaces, Quarries, &c.

Tiles, Tesselated and Glazed—
Carter & Co., Ltd., Encaustic Tile Works, Poole.

Timber Merchants and Importers—
Gardner, Joseph & Sons, Liverpool.
Jennings, C., & Co., 879, Pennywell Road, Bristol. Send 1s. 9d. for Four-fold Rule and 270 page Illustrated Catalogue of all descriptions of Timber, Woodwork, Portable Buildings, Bungalows, &c.

Tin Foil—
Venesta, Ltd., 1, Great Tower Street, London, E.C.

Tool Steel—
Flockton, Tompkin & Co., Ltd., Newhall Steel Works, Sheffield. As used by Engineers, Shipbuilders, and Miners, &c.

Towels—
Johnson, J., Hodgkinson & Pearson, Ltd., Manchester.

Toy Cannons—
Oliver, Harper & Co., 77a, Clerkenwell Road, London, E.C.

Toy Manufacturers (Felt Doll and Animal)—
Sloan & Co., 2, King Street, Liverpool. Telephone Bank 8551.

Toy Manufacturers (Metal)—
Whiteley, Tansley & Co., Ltd., 37, Duke Street, Liverpool.

Toys and Games—
Frenkel, J., & Co., Ltd., 16, London Wall, London, E.C.
Gray & Nicholls, 17 and 27, St. Anne Street, Liverpool. Telegraphic Address: "Variety, Liverpool."

Traction Engines—
Aveling & Porter, Ltd., Rochester.

Tubes and Fittings—
Dugard Bros., Birmingham.
Spencer, John, Ltd., Globe Tube Works, Wednesbury.
Stewarts & Lloyds, Ltd., Birmingham.

Tubing, Flexible and Metallic—
The Interlock Metal Hose Co., River Park Road, Wood Green, London, N.
United Flexible Metallic Tubing Co., Ltd., 112, Queen Victoria Street, London, E.C.

Tubing (Weldless Steel)—
Accles & Pollock, Ltd., Oldbury, Birmingham.
Oriental Tube Co., Ltd., West Bromwich.
Stewarts & Lloyds, Ltd., Glasgow and Birmingham.

Twines, Yarns, Cordage, &c.—
Waites, William, Sons & Atkinson, Ltd., Head Office, Philips Park Mills, Manchester.

Typewriting and Duplicating Supplies Manufacturers—
Crusader Manufacturing Co., Berwick Road, Walthamstow, N.E.
Esco Ltd., 327, High Holborn, London, W.C. Contractors to H.M. Stationery Office. Established 1881.

Underground Relighting Machinery for Miners' Safety Lamps—
Ackroyd & Best, Ltd., Morley, near Leeds.

Valves (Regulating, Dosing, &c.)—
Kent, Geo., Ltd., High Holborn, London, W.C.

Varnish Manufacturers—
Holden, Arthur, & Sons, Ltd., Birmingham. Varnishes, Paints, Colors, Enamels, Lacquers, Japans.
Mathews, John, & Co., Liverpool.

Varnishes, Paints and Colours—
Llewellyn Ryland, Ltd., Balsall Heath Works, Birmingham.

Ventilating Fans—
Howden, J., & Co., Ltd., 195, Scotland Street, Glasgow.

Veterinary Instruments and Supplies—
Huish, C. H., & Co., 12, Red Lion Sq., London, W.C.

Victoria Lawns and Nainsooks—
Johnson, J. Hodgkinson, & Pearson, Ltd., Manchester.

Wall Papers—
Middleton Wallpaper Manufacturers, Fielding Mills, Middleton, near Manchester. Telegrams: "Wallpaper, Middleton." Code, A.B.C 5th Edition. Telephone No. 56.
The Regent Wallpaper Co., Regent House, Fitzroy Square, W.
Webb, Thomas, & Co., 95, Rushmore Road, Clapton, London, N.E.

Water Taps—
Palatine Engineering Co., Ltd., Liverpool.

Webbing and Horse Clothing Manufacturers—
Bird, R., and Co., Crewkerne, Somerset.

Weighing Machine Manufacturers—
De Grave, Short & Co., Ltd., 23, Charterhouse Street, London, E.C.
Pooley, Henry, & Son, Ltd., John Bright Street, Birmingham.
Salter, Geo., & Co., West Bromwich.

Weighing Machinery—
Ashworth, Son, & Co., Ltd., Dewsbury. Makers of Weighing Machines and Weighbridges of all kinds.
Denison, Saml., & Son, Ltd., Middlewood, Leeds. Weighing Machines and Weighbridges for all Home, Foreign and Colonial uses; 1 cwt. to 200 tons.

Welding and Cutting Plant, Oxy Acetylene—
The Acetylene Corporation, Ltd., 49, Victoria Street, Westminster, London.

BRITISH MAKE.

TOY CANNONS.
Famous 75 m.m. French Field Gun.
Anti-Aircraft Gun.
British Naval 12-Pounder.
Made entirely of Metal.
Patentees and Manufacturers—
OLIVER, HARPER & Co.,
77a, Clerkenwell Road,
LONDON, E.C.

The Regent Wallpaper Co.,
MANUFACTURERS OF
FINE WALL PAPERS,
Invite inspection at their London Showrooms,
REGENT HOUSE, FITZROY SQUARE, W.

THE
UNITED FLEXIBLE METALLIC TUBING Co., Ltd.,
112 Queen Victoria Street London, E.C.
WORKS: PONDERS END, MIDDLESEX.

METAL TOY
MANUFACTURERS.
WHITELEY, TANSLEY & CO., Ltd.,
37, DUKE STREET, LIVERPOOL.

Whale Oil—
Meade-King, Robinson & Co., Liverpool.

White Oils and Paraffin Liquidum—
The Stern Sonneborn Oil Co., Ltd., Royal London House, Finsbury Square, London, E.C.

Wire Drawers and Coverers—
Ormiston, P., & Sons, 79, Clerkenwell Rd., London, E.C. Electric Instrument Wires. Fuse Wires.

Wire and General Wire Goods—
Baker, G., Cecil Street Wire Works, Birmingham.

Wire, Iron and Steel—
Cradock, G., & Co., Ltd., Wakefield, England.

Wire Manufacturers—
Dugard Bros., Birmingham (Brass and Copper).
Rigby, John, & Sons, Ltd., Salford; Adelphi Wire Mills, Manchester. Iron and Steel Wires for almost all purposes. Textile Wires. Shaped Wire Specialists. Brass and Steel Pinion Wire. "Actric" Welding Wires.
Smith, Frederick, & Co., Anaconda Works, Salford, Manchester. (H.C. Copper Wire, Trolley Wire. Bronze Telephone Wire.)
Smith, Frederick, & Co., Wire Manufacturers, Ltd., Caledonia Works, Halifax. T. A. Smith, Halifax. Galvanized Telegraph Wire—all Specifications. Armature Binding Wire. Steel Rope Wire up to 120 tons [] strain.

Wire and Metal Manufacturers—
Tayler, D. F., & Co, Ltd., New Hall Works, Birmingham. Brass, Copper, Iron and Steel Wire for all purposes.

Wire Ropes—
Cradock, G., & Co., Ltd., Wakefield, England.

Wire Ropes and Appliances—
Bullivant & Co., Ltd., Reg. Offices, 72, Mark Lane, London, E.C.; Works, Millwall, London, E.
Wright, John & Edwin, Ltd., Universe Wire Rope Works, Birmingham.

Wires (Brass, Copper, &c.) for all Trades and Markets, including the Kaffir Trade—
Moore, W. H., & Sons, 103, Upper Trinity Street, Birmingham.

Wire Workers—
Harvey, G. A., & Co. (London), Ltd. (late of Lewisham), Greenwich Metal Works, Woolwich Road, London, S.E.

Wood Block Flooring—
Gardner, Joseph, & Sons, Bootle, Liverpool.

Wood Pulp—
Becker & Co., Ltd., 64, Cannon St., London, E.C.

Wool Brokers—
Dawson, H., & Co., 73, Basinghall St., London, E.C.

Worsted and Woollen Manufacturers—
Garnett, G., & Sons, Ltd., Valley Mills, Apperley Bridge. Telephone—101 Idle. Telegrams—Garnet, Apperley Bridge. Garbircord Cloth, Covert Coatings, Pure Indigo and Rockfast Blue Serges, Worsted Suitings, Fancy Flannels and Domestic Flannels. Contractors to all H.M. Government Offices.

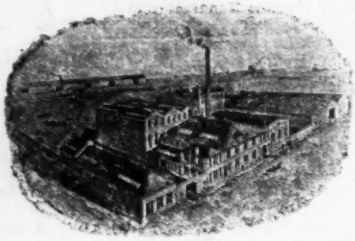
Worsted and Woollen Yarns—
Ambler, Thos., & Sons, Ardsley Mills, near Wakefield.

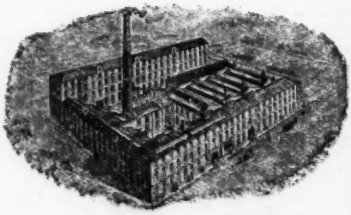
Worsted Suiting Manufacturers—
Dickinson, Herbert (and Mcht. of all classes of Textiles), 3, Northumberland Street, Huddersfield. T.N. 301. T.A. "Dickinson."
Dugdale Bros. & Co., Huddersfield. Telephone Nos. 1772 & 1773. Tele. Address: "Value."

Wrought Iron Pulleys—
Hanson, John T., Grove Pulley and Millgearing Foundry, Longwood, Huddersfield, England. Wrought Iron Pulley Specialist. The Lightest, Strongest, Cheapest, Pulley in the World. Code: 5th Edition, A. B. C. Telegrams: "Pulleys, Longwood Yorkshire." Telephone: 16, Milnsbridge.

Zephyr Cloth Manufacturers—
Anderson, D. & J., Ltd., Bridgeton, Glasgow.

Zinc Sheets and Workers—
Harvey, G. A., & Co. (London), Ltd. (late of Lewisham), Greenwich Metal Works, Woolwich Road, London, S.E.



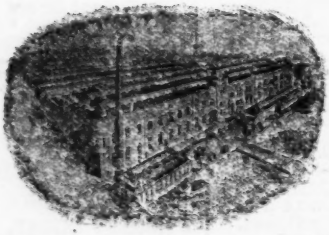


DAMP-PROOF BAGS,

WATERPROOF BAGS,

FIREPROOF BAGS,

&c.



Telephone:
Branch Exchange, 1754
(7 lines).

Cable Address:
"LOBO, DUNDEE."

Codes used
A.B.C., 4th & 5th editions.
A.1, Lieber, & Bentley's.

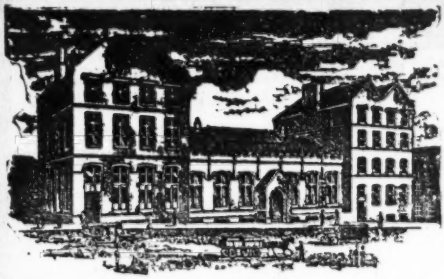
LOW & BONAR, Limited, Dundee, Scotland,

Manufacturers of Sacks and Bags of Linen, Cotton and Jute, for all purposes, also of Waterproof Canvas and Tarpaulings, specially prepared for different Climates.

Speciality:—**PATENT ELASTIC FIBRE LINED COTTON BAGS, JUTE BAGS, WOOL PACKS, &c.**

Patents No. 44046 and No. 18072.

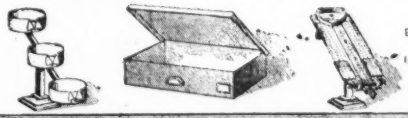
Securing absolute purity of contents.



Fancy Worsted and Woollen Suitings - Indigo Blue and - Black Serges and - Worsteds - - - -

DUGDALE BROS. & CO., HUDDERSFIELD.

TELEPHONE CENTRAL 6835



ESTABLISHED 1890 INCORPORATED 1901.

CHAPMAN & SONS, LTD.

OAK WINDOW FITTINGS

SPECIALISTS IN DRAPERS FIXTURE BOXES, CARRYING OUT BENT WOOD BOXES, POLISHED OAK WINDOW FITMENTS, SHOWCASES & GENERAL CABINET WORK IN HARD & SOFT WOODS, TURNERY, CARD INDEX CABINETS, LETTER FILES, MILLINERY & MANTLE STANDS, CLOTH BLOCKS, TAILORS DUMMIES, & HALF BUSTS, OAK STEPS & LADDERS FOR SHOP USE. PLAIN & FANCY CARD BOARD BOXES FOR ALL TRADES.

Registered Offices:

1 & 3, Ebor Street Shoreditch, London, E.

Cabinet Works, 45A Bethnal Green Road, E.

DAVID & JOHN ANDERSON, Ltd.,

Original Manufacturers of the Celebrated

Oxford, Prince of Wales, & Zephyr Shirtings; Madras, Panama, & Cheviot Shirtings.

Prize Medal Awarded to D. and J. Anderson.

Atlantic Mills, GLASGOW.

London, 1851.

TRADE D J A MARK

THE "ZEPHYR CLOTH."

Also of the best qualities of Ceylon, Tennis, and Unshrinkable Flannels. Silk Shirtings, &c. Dress Goods. Ginghams. Coloured Piques, Cords, Chenes, Fancy Cottons. All goods are stamped at each end of the piece with the Trade Mark and Name and Address of the Company in full.

For Ginghams shown in the Exhibition.

Exhibition of all Nations, Class XI.

CRESYLIC ACID

TAR, PITCH, CREOSOTE.

JAMES GREENSHIELDS & CO., LTD.,
54, Gordon Street, Glasgow.

INDIGO. ZINC DUST.

All Brands V.M. Zinc Oxides and Dyers' Chemicals.

H. S. WILLCOCKS & CO., LTD.,
5, Beaver St., Whitworth St., Manchester.

- - TEA - -

BROOKE, BOND & CO., LTD.,

FOREIGN DEPT.—Coulston Street, Aldgate East, London; also Calcutta & Colombo.

TEAS PACKED IN EVERY KIND OF PACKAGE.

JOHN AINSCOW & CO., LIMITED

Manufacturers,

TURKISH TOWELS, QUILTS, COUNTERPANES, &c.

Beehive Mills, Lostock, Bolton;
34, Charlotte Street, MANCHESTER.
39, Noble Street, LONDON, E.C.

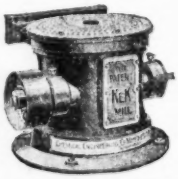
The Highest Standard of
GRINDING EFFICIENCY

Is accomplished by The "KEK" Patent Universal Grinding Mill.

The All-Round Machine for Pulverising, Granulating, or Disintegrating Chemicals, Colours, Minerals, Ores, Cereals, &c.

British Built.

Installed in Works Throughout Great Britain.



Write for full particulars to the Sole Owners and Patentees—

Chemical Engineering Company,
29, Barton Arcade,
DEANSGATE, MANCHESTER.

MEADE-KING, ROBINSON & CO.,

LIVERPOOL — MANCHESTER.

WHALE OIL FOR SOAP-MAKING AND TECHNICAL PURPOSES.

TRADE WITH CANADA.

Firms or persons requiring any information respecting the import or export trade of CANADA are invited to communicate with the

HIGH COMMISSIONER for CANADA, 17, Victoria St., LONDON, S.W.

PAPER BAGS

CROWTHER & COMPANY
MIDDLESEX WORKS,
MIDDLESEX STREET, LONDON.

AND **WRAPPINGS.**

Washed Feathers for Pillows and Cushions.

We wash and purify Feathers, Poultry, Duck and Goose.

Samples sent in reply to trade enquiries.

JOHN MARTIN & Co., 22, Jordan St., Liverpool.

RAMIE YARNS

OF EVERY DESCRIPTION.

GAS MANTLE YARNS A SPECIALITY.

Also RAMIE SLIVER and NOILS.

The Yorkshire Ramie Spinning Co., Limited,

KIRKSTALL, LEEDS.

Telegrams: "Nettle, Kirkstall." ABC Code, 5th Ed.

DEFICOSE

FOR DEFECATING SUGAR CANE JUICE.

PERRY & HOPE, Ltd., Nitshill, near Glasgow.

Y
ersal
ng, or
s.
t.
ough-
rs to
d
ring
de,
R.
S
.